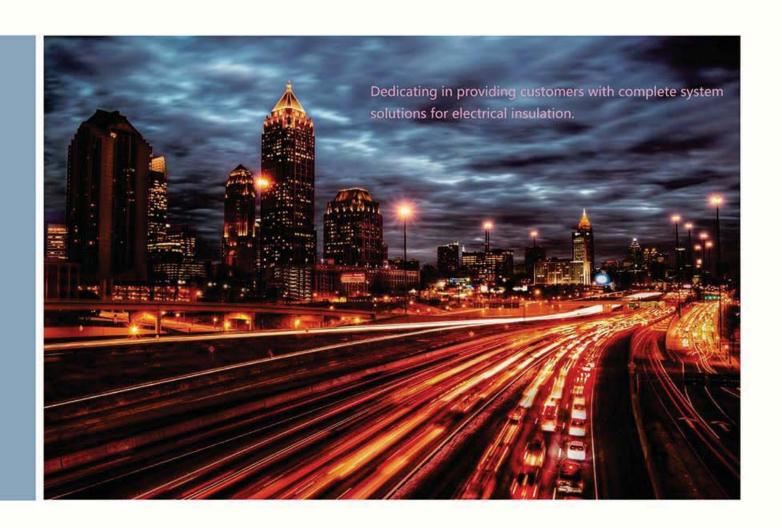


# 腾德实业 & 宏特绝缘材料

**TENGDE INDUSTRIAL & HOTE INSULATION MATERIAL** 

# 电力电工环氧树脂绝缘系统整合专家

**EPOXY RESIN** INSULATION SYSTEMS FOR ELECTRICAL & ELECTRONICS



## **About Tengde Group**

Jiangxi Tengde Industrial Co., Ltd. is a high-tech private-owned enterprise who has engaged in Development, Production and Sales of Electrical Epoxy Resin over 14 years. We are one of the main manufacturers in this field in China, and the annual output of epoxy materials can reach 30, 000 tons. We use the most advanced facilities which are introduced from Hedrich Germany to make the cast resins, a full automatic production line to make sure the steady quality.

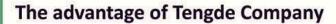
#### The primary markets we serve include:

- Electrical & Electronics Systems
- Coatings & Construction
- Transportation & Industrial
- Wind Power

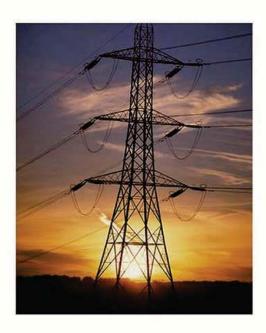
#### **Main Products**

- Epoxy ResinSystem for Class F or H Dry-type Transformer, Reactors and Special transformers up to 11, 22, 33 KV.
- 2. Epoxy ResinSystem for Current Transformer & Potential Transformer used in Outdoor or Indoor.
- All sort of insulating composite materials, including DMD (0.1~1.1mm), DMDP (0.12~0.50mm), NMN (0.12~1.1mm), PET (0.05~1.1mm), NHN (0.13~0.60mm), NMNP, YMY, YMYP, DDP, PMP, GHG, GHG-P, SHS, NHN-P, YHY, YHY-P, DM, GMG, which are widely in electrical transformers/motors and electronic fields.
- 4. Production and sales of electromagnetic wire, copper bar, copper foil, copper strips products.
- 5. Full set Procurement Integration of Cast Resin Dry Transformers, CT&VT and Oil-immersed Transformers.









- → Jiangxi Tengde Group Co., Ltd. owned more than five industrial companies, the production workshops mainly located in Fuzhou, Jiangxi Province, China, the total area is about 200,000 square meters, which has been dedicating to the research, development, production, and sales of insulating materials, electrical materials and other products.
- ◆ Tengde has been committed to providing a full set of procurement solutions for most famous transformer manufacturers, including TBEA, Guangdong Siemens and Guangzhou Sunten, Chint, JST, Hainan Weite, Dalian Yihu, Zhejiang Tianji and Chaowei Battery etc..
- Our prices are more competitive than other suppliers no matter on services and prices.

#### **Comprehensive Infrastructure**

We have sufficient operational installed capacity for Formulated systems. Adequate infrastructure is in place to augment capacity within a short period to meet the requirements of the growing markets.

#### Certificates

Tengde & HOTE have passed the quality control system ISO9001:2015, the environment control system ISD14001 and UL certificate with more than 20 invention and utility model patents. In additional, based on the market demand, Tengde has been dedicated to providing an Integrated Procurement Solutions for customers of Cast Resin Dry Transformer, Instrument Transformer and Oil-immersed Transformer, including full set projects of Technologies, Equipments and Materials.









## **Development History**

Tengde & HOTE have certain market share and technology advantages, and therefore we have the potential to become the leader of this industry.

2008

2010

2013

2015

2017



**HOTE** was founded

in Guangzhou in

2018.



HOTE was founded in Guangzhou in 2018.

Quickly open the domestic market, sales increase every year. Reached 50 million yuan sales. Reached 100 million yuan sales.

2022

2021

2020

2019









Hengxiang was found and reached 1.2 billion yuan sales. 恒翔电气成立于 2022 年,集团销售额达到 12 亿元人民币。

Reached 550 million yuan sales.

Reached 260 million yuan sales.

Reached 80 million yuan sales.





# **Epoxy Resin for Dry-Type Distribution Transformers**

#### Main Properties

TD Epoxy Products have a long pot life, short gel time, low viscosity, high crack resistance, good electrical and mechanical performances, and high thermal resistance, which can meet the general requirements for Cast Resin Dry Transformers.

◆ Applications: Cast Resin Dry Transformer, Reactor, Instrument Transformers, etc.



| Product<br>Designation | Mixing Ratio<br>(PBW)     | GTT-<br>Tg(℃)      | Viscosity<br>Pa.s                             | Critical Stress<br>ntensity Factor<br>K₁c ( MPa⋅m½) | Filled or<br>Unfilled | Thermal<br>Class | Properties                                                                                                                                                                                                                                                                   |
|------------------------|---------------------------|--------------------|-----------------------------------------------|-----------------------------------------------------|-----------------------|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TD-6007AB /            | 100:100/<br>100:95:200:12 | 65 - 80<br>80 - 85 | A: at 40℃<br>3-3.5 / 0.6-0.8                  | 2.0 - 2.4                                           | Prefilled             | F                | Long pot life, Short Gel time at higher temperature.Excellent Mechanical and Electrical properties.Good Crack                                                                                                                                                                |
| 1D-000/AD-1            | 100.33.200.12             | 00 - 03            | B: at 40℃<br>1-2 / 0.17-0.23                  |                                                     |                       |                  | Resistance.                                                                                                                                                                                                                                                                  |
| TD-6008AB-1            | 100:100:15:1:<br>410      | 70 - 80            | at 25℃<br>6 - 9                               | 2.9 -3.1                                            | Prefilled             | н                | Good mechanical and electrical end properties. Very high thermal endurance properties. Class H                                                                                                                                                                               |
|                        | 4.0                       |                    | at 25℃<br>0.15 - 0.2                          |                                                     |                       |                  | according to IEC 60085.                                                                                                                                                                                                                                                      |
| TD-9005AB              | 100:100:200:              | 70 - 80            | at 40℃<br>0.7 -0.8 / 2.3-3<br>with filler     | 2.0 -2.4                                            | Unfilled              | F                | Long pot life, Short Gel time at higher temperature. Excellent Mechanical and Electrical properties. Good Crack Resistance  Very low initial mix viscosity, can adopt the high filler content. Excellent mechanical and curing characters. Good crack resistance properties. |
| 1D-7003AB              | 6:10:0.1                  | 70 - 60            | at 40℃<br>0.25 - 0.35 /<br>1-1.8 with filler  |                                                     |                       |                  |                                                                                                                                                                                                                                                                              |
| TD-9006AB              | 100:80:200<br>or          | 75 - 90            | at 25°C<br>2.5 -3.0                           | 2.7 - 2.9                                           | Unfilled              | Н                |                                                                                                                                                                                                                                                                              |
|                        | 100:100                   |                    | at 25℃<br>0.28 -0.38                          |                                                     |                       |                  |                                                                                                                                                                                                                                                                              |
| TD 06124 B             |                           | 0:334 80 - 90      | at 25℃<br>1.5 – 2.5                           | 2.90 -3.10                                          | Prefilled<br>Unfilled | н                | High filler possible due to low initial mix viscosity. Long pot-life up to 80℃. Good                                                                                                                                                                                         |
| TD-9612AB              | 100:80:334                |                    | at 25℃<br>0.2 - 0.5                           |                                                     |                       |                  | mechanical and electrical properties.  Good crack resistance and thermal endurance properties.                                                                                                                                                                               |
| TD-9018AB              | 100:100:390               | 50 - 60            | at 25℃<br>4.0 - 5.7 / 0.4 -<br>0.7            | 2.90 -3.10                                          | Prefilled             | Н                | Good mechanical and electrical properties. High thermal shock resistance.                                                                                                                                                                                                    |
| TD-9615AB              | 100:100:7:0.2             | 90 - 98            | at 25℃<br>9 - 14 / 0.15 -<br>0.22             | System 3: -                                         | Unfilled              | -                | Good mechanical and electrical end properties. Very high thermal endurance properties. Considerable insensitivity to atmospheric and chemicals influences.                                                                                                                   |
| TD-9010AB              | 100:100                   | 110 -<br>120       | at 25℃<br>0.08-0.2 /<br>at 25℃<br>0.025-0.075 | 2.8 - 3.0                                           | Unfilled              | Indoor           | Outstanding mechanical and electrical properties combined with very high cracl and thermal shock resistance due to the low coefficient of thermal expansion. Suitable for encapsulation of large metal parts.                                                                |

# **Epoxy Resin for Instrument Transformer**

### Main Properties

TD Epoxy Products are dedicated to provide high crack resistance and high Tg. Outstanding weather resistance and UV resistance for outdoor applications.

Applications: Instrument Transformer, CT, PT.



| Product<br>Designation | Mixing Ratio<br>(PBW)               | GTT-<br>Tg(℃)      | Viscosity<br>Pa.s                     | Critical Stress<br>Intensity Factor<br>K₁c ( MPa·m½) | Filled or<br>Unfilled       | Appli<br>-cation                                                         | Properties                                                                                                                                                                              |
|------------------------|-------------------------------------|--------------------|---------------------------------------|------------------------------------------------------|-----------------------------|--------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TD-6016AB              | 100:80:270/<br>100:100:             | 80-90              | at 25℃<br>4.5 - 10.0<br>/1.6-3.5      | 2.5 -2.8                                             | Prefilled<br>or<br>Unfilled | Indoor                                                                   | Good mechanical and electrical properties. Good temperature shock                                                                                                                       |
| /TD-6016AB-1           | 300-350                             | /70-80             | at 25℃<br>4-6/1-1.5                   |                                                      |                             |                                                                          | resistance. Excellent long-term breakdown resistance.                                                                                                                                   |
|                        |                                     |                    | at 25℃<br>8.6 -15.1                   |                                                      |                             |                                                                          | High mechanical and electrical properties at elevated temperature;                                                                                                                      |
| TD-6026AB              | 100:80:270                          | 105 - 125          | at 25℃<br>0.3 - 0.45                  | 1.6 -2.0                                             | Prefilled                   | Indoor                                                                   | Very high thermal shock resistance;<br>Excellent toughness combined with<br>elevated glass transition temperature.                                                                      |
| mp                     | 100:100                             |                    | at 25℃<br>about 90                    | *:                                                   | Prefilled                   | Indoor                                                                   | Very high mechanical strength. Very high resistance to thermal impact strength.                                                                                                         |
| TD-6036AB              |                                     | 65 - 75            | at 25℃<br>about 50                    |                                                      |                             |                                                                          |                                                                                                                                                                                         |
| TD-6066AB              | 100:85:0-20:<br>0.5-1.5:<br>345-385 | 105 - 125          | at 25°C<br>3.5 - 5.0 /<br>0.05 -0.085 | 2.65 - 2.85                                          | Unfilled                    | Indoor                                                                   | High mechanical and electrical properties. Good thermal shock resistance. High filler content.                                                                                          |
|                        |                                     | at 25℃<br>0.08-0.2 |                                       |                                                      |                             | Outstanding mechanical and electrical properties combined with very high |                                                                                                                                                                                         |
| TD-9010AB              | 100:100                             | 110 - 120          | at 25℃<br>0.025-0.075                 | 2.8 - 3.0                                            | Unfilled                    | Indoor                                                                   | crack and thermal shock resistance<br>due to the low coefficient of thermal<br>Expansion. Suitable for encapsulation<br>of large metal parts.                                           |
| TD-3908AB              | 100:80:300                          | about 76           | at 25°C<br>0.3 - 0.55 /<br>0.04 - 0.1 | About 2.8                                            | Prefilled                   | Outdoor                                                                  | Good mechanical / electrical properties and good thermal shock resistance. UV Resistance. Suitable for insulators manufacturing with good weathering resistance under harsh conditions. |
| TD-9928AB              | 100:20                              | 75 - 85            | at 25℃<br>0.06- 0.1 /<br>0.06 - 0.12  | 2.6 - 2.9                                            | Prefilled                   | Outdoor                                                                  | Very good mechanical and electrical properties.Good temperature shock resistance. Excellent UV resistance                                                                               |



## **Epoxy Resin for Insulators, Bushings and Other insulating parts**

#### Main Properties

TD Epoxy Products are dedicated to provide good crack resistance and high Tg. Outstanding weather resistance and UV resistance for outdoor applications.

Applications: Pin and Post Insulators, Bushings, other insulating parts.



| Product<br>Designation | Mixing Ratio<br>(PBW)               | GTT-<br>Tg(℃)        | Viscosity<br>Pa.s                     | Critical Stress<br>Intensity Factor<br>K₁c ( MPa·m½) | Filled or<br>Unfilled             | Appli<br>-cation | Properties                                                                                                                                                                                                                              |
|------------------------|-------------------------------------|----------------------|---------------------------------------|------------------------------------------------------|-----------------------------------|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TD-6016AB              | 100:80:270/<br>100:100:             | 80-90                | at 25℃<br>4.5 - 10.0<br>/1.6-3.5      | 5 - 10.0<br>1.6-3.5<br>2.5 -2.8<br>at 25℃            | Prefilled<br>or Indoo<br>Unfilled | Indoor           | Good mechanical and electrical properties. Good temperature shock resistance.                                                                                                                                                           |
| /TD-6016AB-1           | 300-350                             | /70-80               | at 25℃<br>4-6/1-1.5                   |                                                      |                                   |                  | Excellent long-term breakdown resistance.                                                                                                                                                                                               |
|                        |                                     | 30:270 105 - 125     | at 25℃<br>8.6 -15.1                   | 1.6 -2.0                                             | Prefilled                         | Indoor           | High mechanical and electrical properties at elevated temperature; Very high thermal shock resistance; Excellent toughness combined with elevated glass transition temperature.                                                         |
| TD-6026AB              | 100:80:270                          |                      | at 25℃<br>0.3 - 0.45                  |                                                      |                                   |                  |                                                                                                                                                                                                                                         |
| TD-6066AB              | 100:85:0-20:<br>0.5-1.5:<br>345-385 | 105 - 125            | at 25°C<br>3.5 - 5.0 /<br>0.05 -0.085 | 2.1-2.2/<br>2.65 - 2.85                              | Unfilled                          | Indoor           | High mechanical and electrical properties.<br>Good thermal shock resistance. High filler<br>content.                                                                                                                                    |
| TD 0010 A B            | 400:400                             | 100:100 110 - 120    | at 25℃<br>0.08-0.2                    | 2.8 -3.0                                             | Unfilled                          | Indoor           | Outstanding mechanical and electrical properties combined with very high crack and thermal shock resistance due to the low coefficient of thermal Expansion. Suitable for encapsulation of large metal parts.                           |
| TD-9010AB              | 100:100                             |                      | at 25℃<br>0.025-0.075                 |                                                      |                                   |                  |                                                                                                                                                                                                                                         |
| TD-3968AB              | 100:90:0-20:<br>0.6:<br>370-410     | 105 - 115<br>75 - 85 | at 25℃<br>0.7- 0.9 / 0.07 -<br>0.09   | 2.4 - 2.8<br>2.8 - 3.2                               | Unfilled                          | Outdoor          | Good mechanical and electrical properties.<br>Good thermal shock resistance. High UV<br>resistance. High tracking and arc.<br>Resistance. Silanised filler ensures stable<br>dielectrical properties under outdoor humid<br>conditions. |











# **Epoxy Resin for Circuit Breaker & Solid Switchgear, Embedded Pole and High Voltage GIS Spacer**

#### Main Properties

TD Epoxy Products are dedicated to provide medium and high Tg and high resistance to mechanical creeping because of gas pressure in gas insulated GIS parts, as well as good crack resistance. Outstanding weather resistance, reduce current leakage and extend the pot life due to hydrophobic properties for outdoor applications.

#### Applications:

Vacuum Circuit Breaker, Solid Switchgear, Embedded Pole, Medium and High Voltage GIS Spacer.





| Product<br>Designation | Mixing Ratio<br>(PBW)               | GTT-<br>Tg(℃)        | Viscosity<br>Pa.s                     | Critical Stress<br>Intensity Factor<br>K₁c ( MPa⋅m½) | Filled or<br>Unfilled | Appli<br>-cation | Properties                                                                                                                                                                                                               |
|------------------------|-------------------------------------|----------------------|---------------------------------------|------------------------------------------------------|-----------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TD-6016AB              | 100:100:350                         | 70 - 90              | at 25℃<br>8.5 - 10.0                  | 25.20                                                | Prefilled             | Indoor           | Good mechanical and electrical properties. Good temperature shock                                                                                                                                                        |
| 1D-0010AB              | 100.100.330                         | 70 - 90              | at 25℃<br>5.0 - 7.0                   | 2.5 -2.8                                             | / Unfilled            |                  | resistance. Excellent long-term breakdown resistance.                                                                                                                                                                    |
| TD (00)                | 400 00 070                          | 105 105              | at 25℃<br>8.6 -15.1                   | 10.00                                                | Filled                | 9 160            | Good mechanical and electrical properties at elevated temperature.                                                                                                                                                       |
| TD-6026AB              | 100:80:270                          | 105 - 125            | at 25℃<br>0.3 - 0.45                  | 1.6 -2.0                                             |                       | Indoor           | Very high thermal shock resistance;<br>High glass transition temperature.                                                                                                                                                |
| TD-6066AB              | 100:85:0-20:<br>0.5-1.5:<br>345-385 | 105 - 125            | at 25°C<br>3.5 - 5.0 /<br>0.05 -0.085 | 2.65 - 2.85                                          | Unfilled              | Indoor           | High mechanical and electrical properties. Good thermal shock resistance. High filler content.                                                                                                                           |
|                        | 100:100                             | 110 - 120            | at 25℃<br>0.08-0.2                    | 2.8 -3.0                                             | Unfilled              | Indoor           | Outstanding mechanical and electrical properties combined with very high                                                                                                                                                 |
| TD-9010AB              |                                     |                      | at 25℃<br>0.025-0.075                 |                                                      |                       |                  | crack and thermal shock resistance<br>due to the low coefficient of thermal<br>Expansion. Suitable for encapsulation<br>of large metal parts.                                                                            |
| TD-9020AB              | 100:30-40:<br>210-330               | 105 - 115            | resin<br>at 40℃<br>about 0.45         | *                                                    | Unfilled              | <b>1</b>         | Solid thermal-cured epoxy casting resin with high mechanical strength, alumina or silica powder as the filler, excellent thermal shock resistance. Applied in GIS insulation parts, switchgear and bushing.              |
| TD-3968AB              | 100:90:<br>0-20:0.6<br>:370-410     | 105 - 115<br>75 - 85 | at 25℃<br>0.7- 0.9 /<br>0.07 - 0.09   | 2.4 - 2.8<br>2.8 - 3.2                               | Unfilled              | Outdoor          | Good mechanical and electrical properties. Good thermal shock resistance. High UV resistance. High tracking and arc. Resistance. Silanised filler ensures stable dielectrical properties under outdoor humid conditions. |

# **Epoxy Resin for Electronic Encapsulation**

### Main Properties

TD Epoxy Products are dedicated to provide long pot life with low viscosity, smooth surface after curing, good insulation properties.

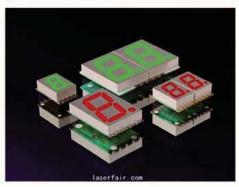
### **♦** Applications:

Power Transformer, LED, Capacitor, Ignition Coil, Regulator, etc.



| Product<br>Designation                           | Mixing Ratio<br>(PBW) | Viscosity<br>Pa.s                 | Properties                                                                                                                                                                                                                                                                                |  |
|--------------------------------------------------|-----------------------|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| TD-7018AB                                        | 100:25                | at 40°C 0.11-0.13                 | Room temperature curing epoxy resin with excellent process properties, long shelf life, easy to operate. Good electrical                                                                                                                                                                  |  |
| 15-101045                                        | 100.23                | at 40℃ 0.03                       | and mechanical properties, bright surface.                                                                                                                                                                                                                                                |  |
| TY-2058AB                                        | 100:50                | at 25℃<br>2.6 - 3.0               | Storage Battery: Low viscosity, good flowability, easy to penetrate into gaps of the products. Curing at room temp. or                                                                                                                                                                    |  |
|                                                  |                       | at 25℃<br>0.08- 0.1               | at 60℃, fast curing speed. Good adhesion, thermal resistance, low acid absorption, resistance to wet heat an atmospheric aging, good insulation, etc.                                                                                                                                     |  |
| TY-2059AB                                        | 100:50                | at 25℃<br>3.5 - 4.5 / 0.03 - 0.05 | Storage Battery Pole Resin: Low viscosity, good flowability, easy to penetrate into gaps of the products. Curing at room temp. or at 60 ℃, fast curing speed. Good adhesion, thermal resistance, low acid absorption, resistance to wet heat and atmospheric aging, good insulation, etc. |  |
| TY-601AB<br>(Including Mould<br>Releasing Agent) |                       | at 25°C 7 - 9                     | Low mixing viscosity, good fluidity, good defoaming ability<br>Long use period, medium temperature curing speed;                                                                                                                                                                          |  |
|                                                  |                       | at 25℃ 0.2 - 0.25                 | Excellent mechanical and electrical performance after curing;Small shrinkage; The solidified material has good light transmittance.                                                                                                                                                       |  |







# **Epoxy Resin for Wind Power Blade**

#### Main Properties

TD Epoxy Products are dedicated to provide low viscosity and high-elasticity laminated system, to extend the pot life.

#### Applications:

Industrial Composite Materials including wind power blade



| Product<br>Designation | Mixing Ratio<br>(PBW) | Viscosity<br>Pa.s                            | Properties                                                                                                                                                                   |
|------------------------|-----------------------|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TD-3356AB              | 100:34                | at 25℃<br>1.2 -1.6<br>at 25℃<br>0.012- 0.02  | Transparent liquid. Low-viscosity and high-elasticity laminated system. The pot life is extended. It is particularly suitable for production of large industrial components. |
| TD-3358AB              | 100:34                | at 25℃<br>1.3 -1.5<br>at 25℃<br>0.035- 0.068 | Transparent liquid. Low-viscosity and high-elasticity laminated system. The pot life is extended. It is particularly suitable for production of large industrial components. |

## **Epoxy Color Paste**

#### Main Properties

High gloss, high temperature resistance, different bright color as per the request, acid and alkali resistance.

◆ Applications: Cast Resin Dry Transformer, Instrument Transformer, Insulator, Bushing, Switchgear, Reactor etc.

| Product<br>Designation | Color          | Product<br>Designation | Color         |  |
|------------------------|----------------|------------------------|---------------|--|
| TD-01                  | Bright Red     | TD-07                  | Sapphire Blue |  |
| TD-02                  | Red Brown      | TD-08                  | Wine Red      |  |
| TD-03                  | Blackish Green | TD-09                  | Oxide Red     |  |
| TD-04                  | Coffee         | TD-10                  | Light Gray    |  |
| TD-05                  | Iron Oxide Red | TD-11                  | Dark Gray     |  |
| TD-06                  | Mahogany brown | TD-12                  | Black         |  |

# Other products

| Product<br>Designation | Mixing Ratio<br>(PBW) | Applications                      | Properties                                                                                                                                                            |
|------------------------|-----------------------|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TD-8028AB              | 100:25                | Coil Repair and<br>LV End Sealing | Fast curing at Room Temperature. Good insulation and thermal resistance.                                                                                              |
| TD-7025AB(-1)          | 100:25                | Iron-Core Coating                 | Room Temperature curing epoxy resin can be used for the iron core of dry transformers. Good insulation and excellent process performance and excellent surface gloss. |
| TD-6810                |                       | Mould Releasing<br>Agent          | Solvent-free liquid, fast-drying release agent with good thermal stability.                                                                                           |
| Flexibilizer<br>Y-8-2  | 4                     | Epoxy resin                       | Transparent Liquid, Solvent-free polyglycol, can increase toughness and improve bearing strength in anhydride-cured epoxy resin.                                      |
| Accelerator<br>H-30-1  | -                     | Hardener                          | Solvent-free tertiary amine suitable for epoxy-based used in electrical composite applications                                                                        |

TD Group has been committed to R&D, Production and Sales of Insulating Materials, including DMD (0.1~1.1mm), DMDP (0.12~0.50mm), NMN (0.12~1.1mm), PET (0.05~1.1mm), NHN (0.13~0.60mm), NMNP, YMY, YMYP, DDP, PMP, GHG, GHG-P, SHS, NHN-P, YHY, YHY-P, DM, GMG, all sorts of Crepe Paper and other Insulating Paper.



# **Epoxy Resin and Hardener**



Epoxy Resin System For Dry Type Transformer, CT/PT And Other Insulation Parts.



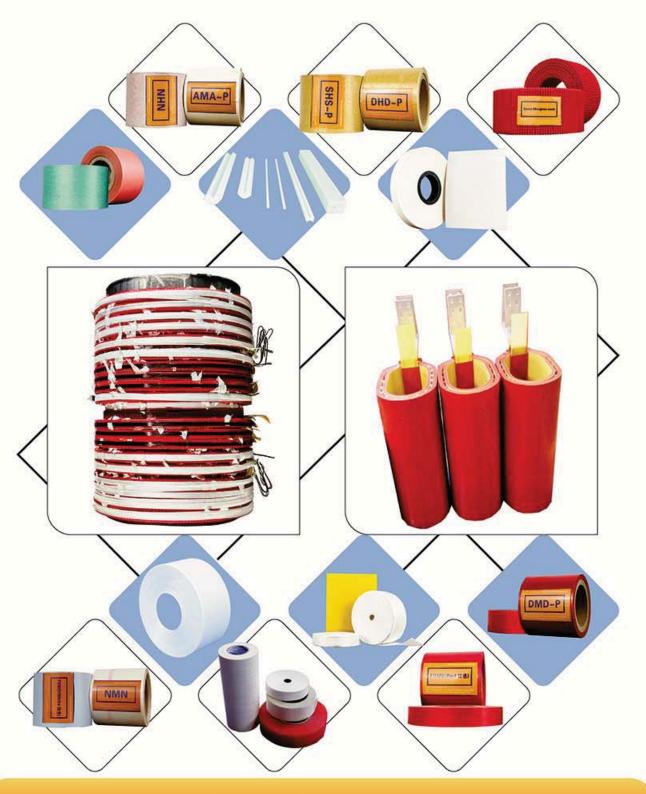








# DMD, DMDP, NMN, PET, NHN, NMNP, YMY, YMYP, GHG, SHS, NHN-P, YHY, YHY-P, DM, **Red Coaming**



Class H SHS use in Special Transformer or Reactor









# OEM

# factory for Transformer Coil and CRT



**Advanced 6S Dust-free Workshop** 

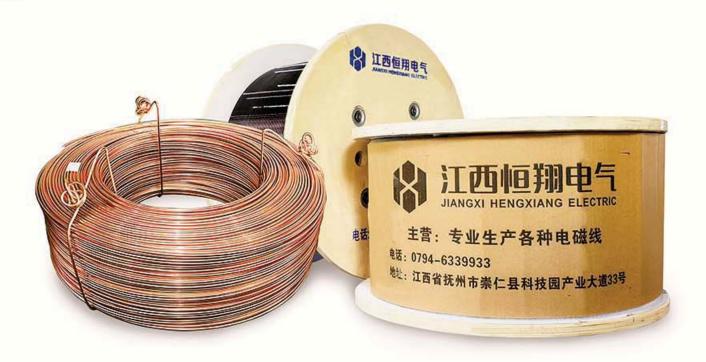








# Copper Rod, Copper Wire and Electromagnetic Wire















**Copper Strip** 

**Copper Strip** 

Copper Rod

Copper Plate & Rod









Jingyan focuses on various automation equipments for transformers, CT/VT, power insulation parts, special motors, automotive electronics, new energy batteries, wind blades, etc.. The main products are: vacuum casting equipment, vacuum drying equipment, gas phase drying equipment, vacuum oiling equipment, vacuum impregnation equipment, automatic pressure gel equipment (APG), vacuum heat treatment equipment, integrated coating/gluing machine, intelligent production line and other types of automation equipments.

# Advanced Automation Equipments Manufacturer



自动压力凝胶设备 Automatic Pressure Gel Equipment

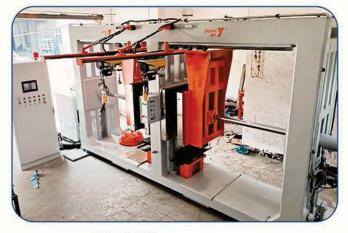


气相干燥设备 Vapor Phase Drying Equipment



硅胶注射机 Silicone Injection Machine





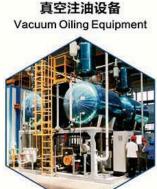
压力成型机 Clamping Machine



真空干燥设备 Vacuum Drying Equipment



真空灌封设备 Vacuum Potting Equipment

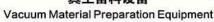




真空备料设备



真空浸渍设备











# **Components Assembly for Dry-type Transformer**













**Post Insulator** 

Air Flue Batten TD Epoxy Resins DMD Materials

**Red Grid** 











PET Composite Film Copper Bar, Strips, Rod

**Dry Fan** 

**EpoxyLaminates Silicon Plate** 











**Auto Temp.Controller** 

**Resin Pad** 

Silicon Steel Core RP Outer Shell Conductive Aluminium

**Strips** 









# Materials Assembly for Current and Voltage Transformers





# **Different Sorts Of Insulation Tape-papers**







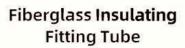


Fiberglass And Silicon Rubber

Double glass flat copper wire

**Silicon Steel Core** 







Lubricating Silicone Grease



Plastic Cover For CT&PT



Pure-Prefilled Epoxy System For Outdoor And Indoor









# **Materials Assembly for Oil Immersed Transformer**





Insulation



Tap-changers



**Electromagnetic Wire** 



Winding for Oil Transformer



Electrical Porcelain Insulator/Bushing



**Gas Relay** 



Pressure Relief Valve



Oil Conservator



**Iron Core** 



Radiator



Corrugated tank shell Electric Insulating Oil

















#### 电力电工环氧绝缘系统

### **EPOXY** INSULATION SYSTEMS FOR ELECTRICAL & ELECTRONICS

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