

## **Technical Data Sheet of Phenolic Resin** **for Refractory Thermal Insulating Material**

**Product name:** Phenolic Resin

**CAS NO.:** 9003-35-4

### **Technical Data of Phenolic Resin for Refractory Thermal Insulating Material**

| Items                                 | Specifications      |                     |                     |                  |
|---------------------------------------|---------------------|---------------------|---------------------|------------------|
| <b>Model</b>                          | Y6550               | Y6552               | Y6553               | Y6556            |
| <b>Appearance</b>                     | Light yellow liquid | Light yellow liquid | Light yellow liquid | Brown red liquid |
| <b>Solid content<br/>(%/135°C/1h)</b> | 40~42               | 39~41               | 42~44               | 36~38            |
| <b>Free phenol<br/>(%)</b>            | ≤1.0                | ≤1.5                | ≤1.5                | ≤1.0             |
| <b>Free aldehyde<br/>(%)</b>          | ≤0.5                | ≤0.5                | 9.5~11.5            | ≤0.8             |
| <b>Water tolerance</b>                | ≥2000               | ≥500                | ≥500                | ≥2000            |
| <b>PH</b>                             | 8.9~9.0             | 8.9~9.0             | 8.9~9.0             | 8.9~9.0          |

### **Application:**

It can be used in the production of phenolic foam boards, real gold boards, rock wool, and glass wool. Phenolic resin for thermal insulation is a polymeric synthetic material with high corrosion, chemical, aging, and heat resistance, making it widely used in the production of thermal insulation materials.

1. Phenolic resin for thermal insulation effectively retards flames and reduces fire hazards. It is resistant to high temperatures, has excellent extreme impact resistance, is shockproof, and can prevent the spread of flames and slow the development of fires.
2. Insulation products made with phenolic resin are environmentally friendly, have excellent impact resistance, and effectively absorb external heat to maintain a stable indoor temperature and humidity.
3. Phenolic resin insulation materials are also flame-retardant and water-resistant, effectively protecting the



environment, reducing indoor air pollution, and benefiting human health.

江苏象化科技有限公司

JIANGSU ELEPHCHEM HOLDING LIMITED

### **Packing:**

This series of products is packaged in 1 ton drums.

### **Storage:**

Store in a cool, dry, and well-ventilated place. Be careful not to break the drum; if damaged, use immediately. Store below 15°C for 3 months.