

General Description

TGIC cure resin, 93/7 type, for industrial purposes.

- Excellent outdoor durability
- Medium reactivity
- Gas oven yellow resistance
- Flow and mechanical performance balance
- High Tg

Extrusion & Application Conditions

| | |
|----------------|-------------------------------------|
| Extruder: | Lingyu SLJ-20 |
| Zone I temp.: | 85~105℃ |
| Zone II temp.: | 100~120℃ |
| Screw speed: | 400~500rpm |
| Panel: | 0.7mm pre-treated cold-rolled steel |
| Spray gun: | Lingyu SJ-5 |
| Voltage: | 60~90kV |
| Curing cycles: | 10 min. @ 200℃ |

Packaging

- White PE bag, N.W.25kg/bag, 1000kg/pallet.
- Big bags 750 kg

Storage

The product can be stably stored for at least one year when kept in closed containers in a dry place at temperature below 30℃. Avoid exposure to direct sunlight.

Product Specifications

| Property | Range | Test Method |
|------------|----------------|-------------|
| Appearance | clear granule | Visual |
| Viscosity | 45~55 pa.s | ASTM D4287 |
| Acid value | 30~35 mg KOH/g | ASTM D1639 |
| Color | Max 2 | ASTM D1544 |
| Tg | appr. 65 | DSC |

Starting Formulation

| Component | Weight |
|------------------|--------|
| P 5022 | 93.0 |
| LC-TGIC | 7.0 |
| Titanium dioxide | 50.0 |
| LC-88 Flow agent | 1.5 |
| Benzoin | 0.5 |

Film Properties

| Item | Result | Test Method |
|---------------------------------|--------------|-------------|
| Film thickness, μm | approx. 60 | ASTM D1186 |
| Gloss @ 60°, % | min. 90 unit | ASTM D523 |
| Direct/reverse impact, inch lbs | 160/160 | ASTM D2794 |
| 1/8" Conical mandrel | pass | ASTM D522 |
| Adhesion(cross cut) | 5B | ASTM D3359 |
| Pencil hardness | H | ASTM D3363 |

Yantai Longcai Advanced Materials Co., Ltd

No.18 Hangzhou Road., Haiyang Development Zone, Yantai, China
Post code: 265100

Tel.: +86 535-330 6639

Web-site: www.longcester.com

Fax: +86 535-330 6828

E-mail: info@longcester.com

Disclaimer: The information given in this sheet is based on our present research and is believed reliable, but it is solely the user's responsibility to confirm by testing for its specific use. LONGCAI MAKES NO REPRESENTATION OR WARRANTY, EXPRESS OR IMPLIED, INCLUDING OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.