

General Description

TGIC cure resin, 93/7 type, for high temperature resistance.

- Excellent outdoor durability
- Fast reactivity
- Excellent high temperature resistance
- Good mechanical performance
- Suitable for rough texture finish

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	50~60 pa.s	ASTM D4287
Acid value	30~35 mg KOH/g	ASTM D1639
Color	Max 2	ASTM D1544
Tg	appr. 72	DSC

Starting Formulation

Component	Weight
P 5037	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.