

General Description

Longcester® P 5016 TGIC cure resin, 90/10 type, for dryblend low gloss with P5418, can be used for industrial purposes.

- Fast cure and good flow
- Outdoor durable
- Good flexibility
- Matt gloss

Extrusion & Application Conditions

Extruder:	Lingyu SLJ-25
Zone I temp.:	85~105 C
Zone II temp.:	100~120 C
Screw speed:	400~500rpm
Panel:	0.5mm pre-treated cold-rolled steel
Spray gun:	Lingyu SJ-5
Voltage:	60~90kV
Curing cycles:	10 min. @ 200 C

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 C. Avoid exposure to direct sunlight.

Product Specifications

Property	Range	Test Method
Appearance	Pale granules	Visual
Acid value	53~55 mgKOH/g	ASTM D1639
Viscosity	4000~6000 mPa.s	ASTM D4287
Color	max.10	ASTM D1544
Tg	appr. 65	DSC

Starting Formulation

Component	Weight	
P 5418	660.0	—
P 5016	—	618.5
LC-TGIC	27.5	69.0
Titanium dioxide	300.0	300.0
LC-88 Flow agent	9.5	9.5
Benzoin	3.0	3.0

Film Properties

	Result	Test Method
Film thickness, μm	approx. 60	ASTM D1186
Gloss @ 60°, %	15 unit	ASTM D523
Direct/reverse impact, inch lbs	120/120	ASTM D2794
1/8" Conical mandrel	pass	ASTM D522
Adhesion(cross cut)	5B	ASTM D3359
Pencil hardness	H	ASTM D3363

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