

General Description

P1000 is isocyanate cure for architectural and industrial purpose.

- Ratio 87/13 for caprolactam blocked
- Medium reactivity
- Excellent flow
- Good mechanical performance
- Suitable for high gloss finish

Extrusion & Application Conditions

Extruder:	Lingyu SLJ-20
Zone I temp.:	85~105°C
Zone II temp.:	100~120°C
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°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	clear granule	Visual
Viscosity	40~60 pa.s	ASTM D4287
Hydroxyl value	25~35 mg KOH/g	ASTM E222
Color	Max 2	ASTM D1544
Tg	appr. 61	DSC

Starting Formulation

Component	Weight
P 1000	87.0
LC-1530	13.0
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

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