

### General Description

P1200 is for isocyanate cure for architectural and industrial purpose

- Ratio 83/17 for caprolactam blocked
- Good Flow
- Architectural Grade
- Medium Cure
- Good mechanical performance

### Extrusion & Application Conditions

Extruder:	Lingyu SLJ-25
Zone I temp.:	85~105 ℃
Zone II temp.:	100~120 ℃
Screw speed:	400~500rpm
Panel:	0.5mm pre-treated cold-rolled steel
Spray gun:	Lingyu SJ-5
Voltage:	60~90kV
Curing cycles:	15 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
Hydroxyl value	35~45 mg KOH/g	ASTM E222
Appearance	Clear granule	Visual
Viscosity	4500~5000 mpa.s	Longcai Method
Acid value	Max 5	ASTM D1613
Color	Max 3	ASTM D1544
Tg	appr. 62	ALD Method

### Starting Formulation

Component	Weight
P1200	300.0
Caprolactam blocked Polyisocyanatey	61.0
Titanium dioxide	150.0
LC-88 Flow agent	5.0
Benzoin	3.0

### Film Properties

Item	Result	Test Method
Film thickness, μm	approx. 60	ASTM D1186
Gloss @ 60°, %	Min. 90	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	ISO15184-98

Yantai Longcai Advanced Materials Co., Ltd

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

Tel.: +86 535-330 6639

Fax: +86 535-330 6828

Web-site: [www.longcester.com](http://www.longcester.com)

E-mail: [info@longcester.com](mailto: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.