

**General Description**

LC-338 is a widely used in epoxy powder coatings,

Very good chemical resistance

· very good mechanical performance

· **Can cure at 160C**

· High Cross-Linking Density with excellent corrosion resistance.

· special use as hardener of pipe coatings.

**Product Specifications**

Property	Range	Test Method
Appearance	White granules	Visual
amine equivalent [%]	>95	ISO 9702
Melting Range (°C)	139~143	ISO11357-1
moisture content	<1.0%	ISO 760
Density g/cm <sup>3</sup>	1.1	ISO 8130-3
Flashing point(°C)	>160	ISO 2592

**Packaging**

· White PE bag, N.W.25kg/bag, 1000kg/pallet.

**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.

**Starting Formulation**

Component	Weight
LongCester® LC-604H	60.0
LC-338	3.0
Titanium dioxide <sup>2)</sup>	6.0
LC-88 Flow agent <sup>3)</sup>	5.0
Benzoin	3.0
Green pigment	0.6
Barium sulfate	22.4

**Extrusion & Application Conditions**

Extruder: Lingyu SLJ-20

Zone I temp.: 75~85°C

Zone II temp.: 90~95°C

Screw speed: 400~500rpm

Panel: 0.5mm pre-treated cold-rolled steel

Spray gun: Lingyu JP-80

Voltage: 60~90kV

Curing cycles: 15 min. @ 180°C

**Film Properties**

Item	Result	Test Method
Film thickness, μm	approx. 60	ASTM D1186
Gloss @ 60°, %	min. 70	ASTM D523
Direct/reverse impact, inch lbs	80/80	ASTM D2794
1/8" Conical mandrel	pass	ASTM D522
Adhesion(cross cut)	5B	ASTM D3359
Pencil hardness (Mar)	H	ISO 15184-98

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