

Longcester® LC-68

Matt Curing Agent

General Description

LC-68 is a widely used in interior matting powder coatings. Excellent gloss stability.

- Can get dead matting gloss: less than 5 gloss unit
- Good mechanical performance
- Provide wide gloss range from 3~60%
- LC-68 react with epoxy ratio is 1:9 or 1:10

Extrusion & Application Conditions

Extruder: Lingyu SLJ-20
 Zone I temp.: 85~105 °C
 Zone II temp.: 100~120 °C
 Screw speed: 400~500rpm
 Panel: 0.5mm pre-treated cold-rolled steel
 Spray gun: Lingyu JP-80
 Voltage: 60~90kV
 Curing cycles: 10 min. @ 200 °C

Packaging

- White PE bag, N.W.25kg/bag

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	White powder	Visual
Melting Range (°C)	222~227	ISO11357-1
Water content	<1.0%	Longcai method

Starting Formulation

Component	Weight
Epoxy resin	300.0
LC-68	33.0
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°, %	3 unit	ASTM D523
Direct/reverse impact, inch lbs	40/40	ASTM D2794
1/8" Conical mandrel	pass	ASTM D522
Adhesion(cross cut)	5B	ASTM D3359
Pencil hardness (Mar)	H	ISO 15184-98