

Longcester® LF760

Fluoropolymer resin

Product Data Sheet

General Description

LF760 is FEVE type fluoropolymer

- Excellent chemical resistance
- Excellent wethering resistance
- Good flow and glossy effect
- Outstanding mechanical properties
- 200C standard cure.
- Good storage stability

Extrusion & Application Conditions

Extruder: Lingyu SLJ-20
 Zone I temp.: 85~105℃
 Zone II temp.: 90~105℃
 Screw speed: 400~500rpm
 Panel: 0.7mm 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
Appearance	clear granule	Visual
Viscosity	30~40 pa.s	ASTM D4287
OH value	20~25 mg KOH/g	Longcai method
Color	Max 5	ASTM D1544
Tg	appr. 56	DSC

Starting Formulation

Component	Weight
LF760	91.0
LC-1530	9.0
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°, %	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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