

Longcester[®] P 3307-2 Saturated, carboxylated polyester resin

Product Data Sheet

General Description

P 3307-2 is a medium reactivity polyester resin, designed for 70:30 hybrid powder coatings. Coatings based on it exhibit:

- · Excellent comprehensive properties
- \cdot Good flow
- · High gloss

Extrusion & Application Conditions

Extruder:	Lingyu SLJ-25
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 SJ-5
Voltage:	60~90kV
Curing cycles:	15 min. @ 180 °C

Packaging

- \cdot 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 $^\circ\!C$. Avoid exposure to direct sunlight.

Product Specifications				
Property	Range	Test Method		
Appearance	Pale granules	Visual		
Acid value	30-38 mgKOH/g	ASTM D1639		
Viscosity	5000-6000 mPa.s	ASTM D4287		
Color	max.2	ASTM D1544		
Тg	appr. 60	DSC		
Starting Formulation				
Component		Weight %		
P 3307-2		45.5		
Epoxy Resin		19.5		
Titanium dioxide		34.5		
LC-88 Flow agent		1.0		
Benzoin		0.4		

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	н	ASTM D3363			

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