

General Description

CRYLCOAT® E 04327 is a superdurable carboxyl functional polyester resin for use with Primid® XL-552. Coatings based on CRYLCOAT® E 04327 exhibit excellent outdoor resistance combined with improved corrosion resistance.

Saturated Superdurable Polyester Resin

Preliminary Technical Data Sheet

Product Specification

	Limits
Appearance	Pale granules
Brookfield Viscosity @ 200 °C, mPa.s	Approx. 1500
Color, b-value	Max. 15
Acid value (mg KOH/g)	Approx. 33

Other Properties

	Typical value
Glass transition (°C)	Approx. 58

Starting Formulation

Component	Weight (%)
CRYLCOAT® E 04327	65.2
Primid® XL 552	3.4
Titanium dioxide	30
MODAFLOW® Powder 6000	1.0
Benzoin	0.4

Extrusion & Application Conditions

Extrusion	
Extruder	Twin screw
Speed	250 rpm
Torque	70 to 80 %
Temperature	90 to 105 °C
Application	
Application	60 micrometer film on 0.8 mm steel
Spray Gun	Output voltage: 60 kV
Curing	10 min @ 200 °C metal temperature

Shelf Life

Under normal storage conditions (≤30°C), the shelf life of the resin will be 24 months from date of manufacturing. For product older than 24 months, it is recommended to check the acid value and the viscosity every year.

Safety & Environmental Protection

For more information, please refer to the Material Safety Data Sheet.

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