

General Description

CRYLCOAT® E 04487 is a Primid® resin designed for matte one-shot systems to produce in combination with low functional polyester resins powder coatings with 60° gloss between 5-10%. Coatings exhibit very good mechanical properties, flow and outdoor resistance.

Saturated Polyester Resin

Preliminary Technical Data Sheet

Product Specification

	Limits
Appearance	Pale granules
Brookfield Viscosity @ 200 °C, mPa.s	Approx. 2700
Color, b-value	Max. 15
Acid value (mg KOH/g)	Approx. 85

Other Properties

	Typical value
Glass transition (°C)	Approx. 63

Starting Formulation

Component	Weight (%)
CRYLCOAT® E 04487	31.9
CRYLCOAT® 2691-2	31.9
Primid® XL 552	4.8
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

Film Properties

Test	Result
Gloss @ 20° / 60° (%)	2 / 10
Direct/reverse impact on steel (kg cm or in. lbs.)	160/160

Shelf Life

Under normal storage conditions ($\leq 30^{\circ}\text{C}$), the shelf life of the resin will be 12 months from date of manufacturing. For product older than 12 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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