

General Description

CRYLCOAT® 1574-6 is a highly reactive carboxyl functional polyester resin for use in the production of 50/50 hybrid powder coatings. The resin is particularly suitable for the production of coatings for cure at temperatures between 130° and 140° C on MDF substrates. Coatings based on CRYLCOAT® 1574-6 combine good flow with high gloss.

(Formerly CRYLCOAT® E 37704)

Saturated Polyester Resin

Product Specification

	Limits
Appearance	Pale granules
Brookfield Viscosity @ 175 °C, mPa.s	3500-6000
Color, b-value	Max. 20
Acid value (mg KOH/g)	66-74

Other Properties

	Typical value
Glass transition (°C)	Approx. 50

Starting Formulation

Component	Weight (%)
CRYLCOAT® 1574-6	34.3
Epoxy resin (EEW 700-900)	34.3
Titanium dioxide	30.0
MODAFLOW® Powder 6000	1.0
Benzoin	0.4

Extrusion & Application Conditions

Extrusion	
Extruder	Twin screw
Speed	250 rpm
Torque	75 ± 5 %
Temperature	95 to 105 °C
Application	
Application	60 micrometer film on steel panel
Spray Gun	Output voltage: 60 kV
Curing	5 min @ 140° C metal temperature
	10 min @ 130° C metal temperature
	25 min @ 125° C metal temperature

Film Properties

Test	Result
Gloss @ 60° (%)	90

Shelf Life

Under normal storage conditions (≤25°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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