CRYLCOAT® 1506-6

Technical Datasheet

General Description

CRYLCOAT® 1506-6 is an extreme reactive carboxyl functional polyester resin for use in the production of 50/50 hybrid powder coatings. The resin is to be used with a low viscosity epoxy resin and is particularly suitable for the production of textured coatings for cure at temperatures between 120°C and 140°C on MDF substrates.

Saturated Polyester Resin

Product Specification

	Limits
Appearance	Pale granules
Brookfield Viscosity @ 175 °C, mPa.s	7000-11000
Color, b-value	Max. 15
Acid value (mg KOH/g)	64-74

Other Properties

	Typical value
Glass transition (°C)	Approx. 62

Starting Formulation

Component	Weight (%)
CRYLCOAT® 1506-6	36.8
Epoxy resin (EEW 700-900)	36.8
Titanium dioxide	25.0
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 Al panel
Spray Gun	Output voltage: 60 kV
Curing	10 min @ 140° C metal temperature

Film Properties

Test	Result
Gloss @ 60° (%)	Approx. 90
Pencil Hardness	2H

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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