CRYLCOAT® 1572-6

Technical Datasheet

General Description

CRYLCOAT® 1572-6 is a high reactive carboxyl functional polyester resin for use in the production of 50/50 hybrids powder coatings. Coatings made with CRYLCOAT® 1572-6 exhibit good mechanical properties when cured at a temperature level of 130 °C.

(Formerly CRYLCOAT® E 04272)

Preliminary Technical Data Sheet

Saturated Polyester Resin

Product Specification

	Limits
Appearance	Pale granules
Brookfield Viscosity @ 175 °C, mPa.s	2500 - 5500
Color, b-value	Max. 20
Acid value (mg KOH/g)	68 - 74

Other Properties

	Typical value
Glass transition (°C)	Approx. 50

Starting Formulation

Component	Weight (%)
CRYLCOAT® 1572-6	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	15 min @ 130° C metal temperature

Film Properties

Test	Result
Gloss @ 20° / 60° (%)	89 / 100
Direct/reverse impact on steel (kg cm or in.lbs.)	160/160

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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