

General Description

CRYLCOAT® E 04342 is a medium reactive carboxylated polyester resin entirely based on renewable and recycled raw materials for use with epoxy resins in a 70/30 ratio. Formulations based on CRYLCOAT® E 04342 exhibit good mechanical properties, outstanding ageing stability and blooming resistance.

Saturated Polyester Resin

Preliminary Technical Data Sheet

Product Specification

	Limits
Appearance	Pale granules
Brookfield Viscosity @ 200 °C, mPa.s	Approx. 5500
Color, b-value	Approx. 20
Acid value (mg KOH/g)	Approx. 36

Other Properties

	Typical value
Glass transition (°C)	Approx. 60

Starting Formulation

Component	Weight (%)
CRYLCOAT® E 04342	39.0
Epoxy resin (EEW 700-900)	18.0
ADDITOL® P 896	3.0
Benzoin	0.5
Titanium dioxide	29.0
Barium sulfate	10.5

Extrusion & Application Conditions

Extrusion	
Extruder	Twin screw
Speed	300 rpm
Torque	30 ± 5 %
Temperature	80 to 100 °C
Application	
Application	60 micrometer film on steel panel
Spray Gun	Output voltage: 60 kV
Curing	10 min @ 180° C metal temperature

Film Properties

Test	Result
Gloss @ 20°/60° (%)	86/95
Direct/reverse impact (kg. cm or in. lbs.)	160/160

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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