

General Description

CRYLCOAT® E 04417 is a low reactive carboxyl functional polyester resin for use with 7% TGIC. Coatings made with CRYLCOAT® E 04417 exhibit good flow and improved corrosion resistance.

Saturated Polyester Resin

Preliminary Technical Data Sheet

Product Specification

	Limits
Appearance	Pale granules
Brookfield Viscosity @ 200 °C, mPa.s	Approx. 4000
Color, b-value	Max. 15
Acid value (mg KOH/g)	Approx. 32

Other Properties

	Typical value
Glass transition (°C)	Approx. 62

Starting Formulation

Component	Weight (%)
CRYLCOAT® E 04417	63.8
Araldite® PT 810	4.8
Titanium dioxide	30.0
MODAFLOW® Powder 6000	1.0
Benzoin	0.4

Extrusion & Application Conditions

Extrusion	
Extruder	Twin screw
Speed	300 rpm
Torque	Approx. 30 %
Temperature	Approx. 80 °C
Application	
Application	60-70 micrometer film on chromated Al panel 0.6 mm or steel panel, 0.8 mm
Spray Gun	Output voltage: 60 kV
Curing	10 min @ 200 °C metal temperature

Shelf Life

Under normal storage conditions ($\leq 30^{\circ}\text{C}$), 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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