

General Description

CRYLCOAT® E 04482 is a superdurable carboxyl functional polyester resin for use with 7 % TGIC. Coatings based on CRYLCOAT® E 04482 exhibit excellent outdoor resistance combined with good balance of flow, surface appearance and full flexibility.

Saturated Superdurable Polyester Resin

Preliminary Technical Data Sheet

Product Specification

	Limits
Appearance	Pale granules
Brookfield Viscosity @ 200 °C, mPa.s	Approx. 2600
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 04482	67.7
TGIC	5.1
Titanium dioxide	25.5
MODAFLOW® Powder° 6000	11
Benzoin	6

Extrusion & Application Conditions

Extrusion	
Extruder	Twin screw
Speed	250 rpm
Torque	70 to 80 %
Temperature	90 to 105 °C
Application	
Application	60 micrometer film on 0.8 mm steel
Spray Gun	Output voltage: 60 kV
Curing	10 min @ 200 °C metal temperature

Film Properties

Test	Result
Gloss @ 20°/60° (%)	91/93
Direct/reverse impact (kg. cm or in. lbs.)	160/160

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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