

General Description

CRYLCOAT® 2441-7 is an organo-tin free carboxyl functional polyester resin for use with 7% TGIC in the production of powder coatings. Formulations based on CRYLCOAT® 2441-7 exhibit outstanding flow, excellent outdoor durability, very good flexibility, physical aging and storage stability.

Saturated Polyester Resin

Preliminary Technical Data Sheet

Product Specification

	Limits
Appearance	Pale granules
Brookfield Viscosity @ 200 °C, mPa.s	4400-5700
Color, b-value	Max. 10
Acid value (mg KOH/g)	30-36

Other Properties

	Typical value
Glass transition (°C)	Approx. 67

Starting Formulation

Component	Weight (%)
CRYLCOAT® 2441-7	63.8
TGIC	4.8
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 chromated Al/steel panel
Spray Gun	Output voltage: 60 kV
Curing	10 min @ 200° C metal temperature

Film Properties

Test	Result
Gloss @ 20°/60° (%)	92/96
Direct/reverse impact on steel (kg. cm or in.lbs.)	160/160
Direct/reverse impact on Al (kg. cm or in.lbs.)	80/80

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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