# CRYLCOAT® 2441-3



## **General Description**

CRYLCOAT<sup>®</sup> 2441-3 is a tribo-active, carboxyl functional polyester resin for use with 7% TGIC in the production of powder coatings. Formulations based on CRYLCOAT<sup>®</sup> 2441-3 combine excellent flow and good mechanicals.

### **Saturated Polyester Resin**

### **Product Specification**

	Limits
Appearance	Pale granules
Brookfield Viscosity @ 200 °C, mPa.s	4000-5200
Color, b-value	Max. 15
Acid value (mg KOH/g)	30-35

#### **Other Properties**

	Typical value
Glass transition (°C)	Approx. 67

### **Starting Formulation**

Component	Weight (%)
CRYLCOAT <sup>®</sup> 2441-3	63.8
TGIC	4.8
Titanium dioxide	30.0
MODAFLOW <sup>®</sup> 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/chromated Al panel	
Spray Gun	Output voltage: 60 kV	
Curing	10 min @ 200° C metal temperature	

#### **Film Properties**

Test	Result
Gloss @ 20°/60° (%)	89/95
Direct/reverse impact on steel (kg. cm or in.lbs.) Direct/reverse impact on Al (kg. cm or in.lbs.)	160/160 80/80

## Shelf Life

Under normal storage conditions ( $\leq$ 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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