# CRYLCOAT® 2594-6



## **General Description**

CRYLCOAT® 2594-6 is a high reactive carboxyl functional polyester resin for use with 8-9% Araldite® PT 910 and Araldite® PT 912 in low bake (10 min x 160°C) formulations. Coatings based on CRYLCOAT® 2594-6 exhibit good flow and good outdoor durability.

(Formerly CRYLCOAT® E 04392)

## **Saturated Polyester Resin**

## Preliminary Technical Data Sheet

### **Product Specification**

	Limits
Appearance	Pale granules
Brookfield Viscosity @ 200 °C, mPa.s	Approx. 4500
Color, b-value	Max. 15
Acid value (mg KOH/g)	Approx. 34

## **Other Properties**

	Typical value
Glass transition (°C)	Approx. 67

## **Starting Formulation**

Component	Weight (%)
CRYLCOAT <sup>®</sup> 2594-6	62.3
Araldite <sup>®</sup> PT 912	6.2
Titanium dioxide	30.0
MODAFLOW <sup>®</sup> Powder 6000	1.0
Benzoin	0.5

# **Extrusion & Application Conditions**

Extrusion		
Extruder	Twin screw	
Speed	200 rpm	
Torque	Approx. 30 %	
Temperature	100 to 130 °C	
Application		
Application	60 micrometer film on 0.5 mm	
Application	chromated Al panel	
Spray Gun	Output voltage: 60 kV	
Curing	10 min @ 160° C metal temperature	

## **Film Properties**

Test	Result
Gloss @ 20°/60° (%)	92/99
Direct/reverse impact (kg. cm or in. lbs.)	70/50

## 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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#### 9.1 / 03.07.2020 (replaces all previous versions)

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