

General Description

CRYLCOAT® 2860-0 is a hydroxyl functional polyester resin for use with blocked polyisocyanates or uretdiones. CRYLCOAT® 2860-0 is preferably used as low functional component to manufacture one-shot matte polyurethane powder coatings in combination with high functional resins like CRYLCOAT® 2814-0, CRYLCOAT® 2876-0 or CRYLCOAT® E 04076.

(Formerly CRYLCOAT® E 04060)

Saturated Polyester Resin

Product Specification

	Limits
Appearance	Pale granules
Hydroxyl value (mg KOH/g)	45 - 55
Brookfield Viscosity @ 200 °C, mPa.s	3500 - 5500
Color, b-value	Max. 15
Acid value (mg KOH/g)	Max. 1

Other Properties

	Typical value
Glass transition (°C)	Approx. 52

Starting Formulation

Component	Weight (%)
CRYLCOAT® 2860-0	37.8
CRYLCOAT® 2814-0	10.4
Vestagon® B 1530	20.0
Titanium dioxide	30.0
MODAFLOW® Powder 6000	1.3
Benzoin	0.5

Extrusion & Application Conditions

Extrusion	
Extruder	Twin screw
Speed	250 rpm
Torque	65 to 80 %
Temperature	95 to 105 °C
Application	
Application	60 micrometer film on chromated Al panel
Spray Gun	Output voltage: 60 kV
Curing	10 min @ 200 °C metal temperature

Film Properties

Test	Result
Gloss @ 60° (%) with CRYLCOAT® 2814-0	23
Direct/Reverse Impact (kg. cm. or in. lbs.)	70/70

Shelf Life

Under normal storage conditions (≤25°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.