

General Description

CRYLCOAT® 2868-0 is a hydroxyl functional polyester resin for use with blocked isocyanates or uretdiones to manufacture polyurethane powder coatings. CRYLCOAT® 2868-0 provides a relatively high reactivity and Tg value.

Saturated Polyester Resin

Product Specification

	Limits
Appearance	Pale granules
Brookfield Viscosity @ 200 °C, mPa.s	5500-7500
Color, b-value	Max. 15
Acid value (mg KOH/g)	Max. 5
Hydroxyl value (mg KOH/g)	27-37

Other Properties

	Typical value
Glass transition (°C)	Approx. 60

Starting Formulation

Component	Weight (%)
CRYLCOAT® 2868-0	52.9
Vestagon® BF 1530	8.6
Titanium dioxide	35.0
ADDITOL® P 896	3.0
Benzoin	0.5

Extrusion & Application Conditions

Extrusion	
Extruder	Twin screw
Speed	200 rpm
Torque	75 - 85 %
Temperature	110 to 120°C
Application	
Application	60 micrometer film on 0.5 m steel panel
Spray Gun	Output voltage: 60 kV
Curing	10 min @ 190 °C metal temperature

Film Properties

Test	Result
Gloss @ 20°/60° (%)	84/92
Direct/reverse impact (kg. cm or in. lbs.)	160/160

Shelf Life

Under normal storage conditions (≤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.

July 2020 – Supersedes previous versions