

## General Description

CRYLCOAT® 2670-3 is a Primid® resin that is used with CRYLCOAT® 2671-3 for production of matte dry blend powder coatings at a gloss level of 32-36%. When used with CRYLCOAT® 2650-2, gloss levels of 20-23% can be achieved. These coatings exhibit very good mechanical properties, flow, and outdoor durability that meet or exceed GSB and Qualicoat specifications.

## Saturated Polyester Resin

### Product Specification

	Limits
Appearance	Pale granules
Brookfield Viscosity @ 200 °C, mPa.s	5400-8200
Color, b-value	Max. 15
Acid value (mg KOH/g)	20-23

### Other Properties

	Typical value
Glass transition (°C)	Approx. 61

### Starting Formulation

Component	Weight (%)	
CRYLCOAT® 2670-3	66.6	--
CRYLCOAT® 2671-3	--	63.9
Primid® XL 552	2.1	4.8
Titanium dioxide	30.0	30.0
MODAFLOW® Powder 6000	1.0	1.0
Benzoin	0.3	0.3

### 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 panel
Spray Gun	Output voltage: 60 kV
Curing	10 min @ 190° C metal temperature

### Film Properties

Test	Result
Gloss @ 60° (%) with CRYLCOAT® 2671-3 (1 : 1)	32-36
Reverse impact (kg. cm or in. lbs.)	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.

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