

General Description

CRYLCOAT® 2698-3 is a tribo active resin for Primid® based powder coatings exhibiting outstanding flow-out and degassing properties. Formulations cured at 10 min x 180 °C exhibit excellent mechanical properties and physical ageing.

Saturated Polyester Resin

Product Specification

	Limits
Appearance	Pale granules
Brookfield Viscosity @ 200 °C, mPa.s	2500-3500
Color, b-value	Max. 15
Acid value (mg KOH/g)	30-36

Other Properties

	Typical value
Glass transition (°C)	Approx. 56

Starting Formulation

Component	Weight (%)
CRYLCOAT® 2698-3	56.0
Primid® XL 552	3.0
Titanium dioxide	39.7
MODAFLOW® Powder 6000	1.0
Benzoin	0.3

Extrusion & Application Conditions

Extrusion	
Extruder	Twin screw
Speed	200 rpm
Torque	70 to 80 %
Temperature	85 to 100 °C
Application	
Application	60 micrometer film on 0.5 mm chromated Al panel
Spray Gun	Output voltage: 60 kV
Curing	10 min @ 180 °C metal temperature

Film Properties

Test	Result
Gloss @ 20°/60° (%)	89/95
Direct/reverse impact (kg. cm or in. lbs.)	80/80
Degassing limit (µm)	160 - 170

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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