

General Description

CRYLCOAT® 2661-3 is a high performance tribo active carboxyl functional polyester resin for Primid® based outdoor powder coatings. Coatings based on CRYLCOAT® 2661-3 exhibit good flow and degassing properties, improved storage stability and excellent outdoor durability combined with improved overbake, gas-oven and water-spot resistance.

(Formerly CRYLCOAT® E 04351)

Preliminary Technical Data Sheet

Saturated Polyester Resin

Product Specification

	Limits
Appearance	Pale granules
Brookfield Viscosity @ 200 °C, mPa.s	Approx. 3200
Color, b-value	Max. 15
Acid value (mg KOH/g)	Approx. 30

Other Properties

	Typical value
Glass transition (°C)	Approx. 58

Starting Formulation

Component	Weight (%)
CRYLCOAT® 2661-3	60.8
Primid® XL 552	3.2
Titanium dioxide	34.5
MODAFLOW® Powder 6000	1.0
Benzoin	0.5

Extrusion & Application Conditions

Extrusion	
Extruder	Twin screw
Speed	300 rpm
Torque	75 ± 5 %
Temperature	95 to 105 °C
Application	
Application	60 micrometer film on steel/chromated Al panel
Spray Gun	Output voltage: 60 kV
Curing	10 min @ 180° C metal temperature

Film Properties

Test	Result
Gloss @ 20°/60° (%)	89/96
Direct/reverse impact on steel (kg. cm or in. lbs.)	160/160
Direct/reverse impact on Al (kg. cm or in. lbs.)	70/70

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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