

General Description

CRYLCOAT® 2638-2 is a carboxyl functional polyester resin for use with CRYLCOAT® 2635-2 in the production of one-shot matte Primid® powder coatings that produce coatings with a 60° gloss range of 20% to 40%. The coatings exhibit very good mechanical properties, flow and outdoor resistance.

(Formerly CRYLCOAT® E 04238)

Preliminary Technical Data Sheet

Saturated Polyester Resin

Product Specification

	Limits
Appearance	Pale granules
Brookfield Viscosity @ 200 °C, mPa.s	Approx. 5500
Color, b-value	Max. 15
Acid value (mg KOH/g)	Approx. 33

Other Properties

	Typical value
Glass transition (°C)	Approx. 62

Starting Formulation

Component	Weight (%)
CRYLCOAT® 2638-2	37.0
CRYLCOAT® 2635-2	37.0
Primid® XL 552	6.4
Barium sulfate	14.8
Pigment RAL 8014	3.5
MODAFLOW® Powder 6000	1.0
Benzoin	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 @ 200° C metal temperature

Film Properties

Test	Result
Gloss 60° (%)	20-40
Direct/reverse impact (kg. cm or in. lbs.)	160/160

Shelf Life

Under normal storage conditions ($\leq 30^{\circ}\text{C}$), 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