

General Description

CRYLCOAT® 8079-0 is a semi-crystalline polyester resin designed to work with CRYLCOAT® superdurable resins to produce coatings with improved flexibility. The ratio between the superdurable resin and CRYLCOAT® 8079-0 may be adjusted to produce the target flexibility.

Saturated Semi-Crystalline Polyester Resin

Product Specification

	Limits
Appearance	Pale granules
Brookfield Viscosity @ 200 °C, mPa.s	3000-7000
Color, b-value	Max. 15
Acid value (mg KOH/g)	18-22

Other Properties

	Typical value
Glass transition/Tm (DSC in °C)	Approx. -15/83

Starting Formulation

Component	Weight (%)	Weight (%)
CRYLCOAT® 4488-0	58.8	57.5
CRYLCOAT® 8079-0	6.5	6.3
Primid® XL 552	3.5	
TGIC		4.8
Titanium dioxide	30	30.0
MODAFLOW® Powder 6000	1.0	1.0
Benzoin	0.2	0.4

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 @ 180° C metal temperature

Film Properties

Test	Result
Gloss @ 60° (%)	95
Reverse impact (kg. cm or in. lbs.)	60

Shelf Life

Under normal storage conditions (≤25°C), the shelf life of the resin will be 12 months from date of manufacturing. For product older than 12 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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