

General Description

CRYLCOAT® 9292-0 is an organic filler for epoxy powder coatings. Up to 20% of the epoxy resin can be substituted by CRYLCOAT® 9292-0 without affecting coating properties. Additionally, the relatively low hydroxyl value of CRYLCOAT® 9292-0 allows the production of aromatic polyurethane powder coatings requiring a reduced amount of isocyanate hardeners.

Saturated Polyester Resin

Product Specification

	Limits
Appearance	Pale granules
Hydroxyl value (mg KOH/g)	35-45
Brookfield Viscosity @ 200 °C, mPa.s	3500-5500
Color, b-value	Max. 20
Acid value (mg KOH/g)	Max. 8

Other Properties

	Typical value
Glass transition (°C)	Approx. 58

Starting Formulation

Component	Weight (%)
CRYLCOAT® 9292-0	48.0
ADDITOL® P 965	9.0
ADDITOL® P 896	3.0
Titanium dioxide	29.0
Barium sulfate	10.5
Benzoin	0.5

Extrusion & Application Conditions

Extrusion	
Extruder	Twin screw
Speed	250 rpm
Torque	70 to 80 %
Temperature	100 to 110 °C
Application	
Application	60 micrometer film on 0.5 mm steel panel
Spray Gun	Output voltage: 60 kV
Curing	10 min @ 180 °C metal temperature 20 min @ 170 °C metal temperature

Film Properties

Test	Result
Gloss @ 20°/60° (%)	80/93
Direct/reverse impact (kg. cm or in. lbs.)	160/160

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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