

General Description

CRYLCOAT® E 04327 is a superdurable carboxyl functional polyester resin for use with Primid® XL-552. Coatings based on CRYLCOAT® E 04327 exhibit excellent outdoor resistance combined with improved corrosion resistance.

Saturated Superdurable Polyester Resin

Preliminary Technical Data Sheet

Product Specification

| | Limits |
|--------------------------------------|---------------|
| Appearance | Pale granules |
| Brookfield Viscosity @ 200 °C, mPa.s | Approx. 1500 |
| Color, b-value | Max. 15 |
| Acid value (mg KOH/g) | Approx. 33 |

Other Properties

| | Typical value |
|-----------------------|---------------|
| Glass transition (°C) | Approx. 58 |

Starting Formulation

| Component | Weight (%) |
|-----------------------|------------|
| CRYLCOAT® E 04327 | 65.2 |
| Primid® XL 552 | 3.4 |
| Titanium dioxide | 30 |
| MODAFLOW® Powder 6000 | 1.0 |
| Benzoin | 0.4 |

Extrusion & Application Conditions

| Extrusion | |
|-------------|------------------------------------|
| Extruder | Twin screw |
| Speed | 250 rpm |
| Torque | 70 to 80 % |
| Temperature | 90 to 105 °C |
| Application | |
| Application | 60 micrometer film on 0.8 mm steel |
| Spray Gun | Output voltage: 60 kV |
| Curing | 10 min @ 200 °C metal temperature |

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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