

## General Description

CRYLCOAT® 4669-0 is a high performance, carboxylated, superdurable polyester resin for use with Primid® XL 552 in the architectural coatings segment. Coatings based on CRYLCOAT® 4669-0 exhibit good flow, high degree of outdoor durability, are free of blooming and offer improved water-spot resistance meeting GSB and Qualicoat standards.

(Formerly CRYLCOAT® E 04559)

Preliminary Technical Data Sheet

## Saturated Superdurable Polyester Resin

### Product Specification

|                                      | Limits        |
|--------------------------------------|---------------|
| Appearance                           | Pale granules |
| Brookfield Viscosity @ 200 °C, mPa.s | Approx. 3250  |
| Color, b-value                       | Max. 15       |
| Acid value (mg KOH/g)                | Approx. 32    |

### Other Properties

|                       | Typical value |
|-----------------------|---------------|
| Glass transition (°C) | Approx. 56    |

### Starting Formulation

| Component             | Weight (%) |
|-----------------------|------------|
| CRYLCOAT® 4669-0      | 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      | 70 to 80 %                                      |
| Temperature | 80 to 100 °C                                    |
| Application |   |
| Application | 60 micrometer film on 0.5 mm chromated Al panel |
| Spray Gun   | Output voltage: 60 kV                           |
| Curing      | 10 min @ 180 °C metal temperature               |

### Film Properties

| Test                | Result |
|---------------------|--------|
| Gloss @ 20°/60° (%) | 84/91  |

### 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.

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