

### General Description

CRYLCOAT® 4488-0 is a carboxyl functional, superdurable polyester resin for use with TGIC in a 93/7 ratio. Powder coatings based on CRYLCOAT® 4488-0 are suitable for use in direct fired gas ovens and can withstand 10 years Florida outdoor exposure depending on formulation.

### Saturated Superdurable Polyester Resin

#### Product Specification

	Limits
Appearance	Pale granules
Brookfield Viscosity @ 200 °C, mPa.s	4400-6500
Color, b-value	Max .10
Acid value (mg KOH/g)	27-33

#### Other Properties

	Typical value
Glass transition (°C)	Approx. 64

#### Starting Formulation

Component	Weight (%)
CRYLCOAT® 4488-0	65.1
TGIC	4.9
Titanium dioxide	29.0
MODAFLOW® Powder 6000	0.7
Benzoin	0.3

#### Extrusion & Application Conditions

Extrusion	
Extruder	Twin screw
Speed	250 rpm
Torque	80 ± 5 %
Temperature	90 °C
Application	
Application	60 micrometer film on 0.8 mm yellow chromated Al panel
Spray Gun	Output voltage: 60-70 kV
Curing	10 min @ 200° C metal temperature

#### Film Properties

Test	Result
Gloss @ 60°	93
Tape Adhesion	GT 0
Erichsen Indentation (mm)	< 2
Direct impact (kg cm or in-lb)	20
Reverse impact (kg cm or in-lb)	< 20

#### 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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