

## General Description

CRYLCOAT® E 04810 is a carboxyl functional polyester resin for use with 7% TGIC in the production of powder coatings. Formulations based on CRYLCOAT® E 04810 exhibit outstanding flexibility, excellent outdoor durability, good flow and storage stability.

## Saturated Polyester Resin

Preliminary Technical Data Sheet

## Product Specification

	Limits
Appearance	Pale granules
Brookfield Viscosity @ 200 °C, mPa.s	Approx. 3200
Color, b-value	Max. 15
Acid value (mg KOH/g)	Approx. 31

## Other Properties

	Typical value
Glass transition (°C)	Approx. 63

## Starting Formulation

Component	Weight (%)
CRYLCOAT® E 04810	67.90
TGIC	5.10
Titanium dioxide	25.55
MODAFLOW® Powder 6000	0.70
Benzoin	0.75

## Extrusion & Application Conditions

Extrusion	
Extruder	Twin screw
Speed	350 rpm
Torque	75 ± 5 %
Temperature	90 to 110 °C
Application	
Application	60 micrometer film on 0.5 mm steel panel
Spray Gun	Output voltage: 60 kV
Curing	10 min @ 200° C metal temperature

## Film Properties

Test	Result
Gloss @ 60° (%)	98
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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