

**General Description**

CRYLCOAT® 1757-6 is a highly reactive, TMA-free carboxylated polyester resin for use in the production of 70/30 hybrid powder coatings. Formulations based on CRYLCOAT® 1757-6 exhibit excellent flow and good gloss.

(Formerly CRYLCOAT E 04656)

Preliminary Technical Data Sheet

**Saturated Polyester Resin**

**Product Specification**

	Limits
Appearance	Pale granules
Brookfield Viscosity @ 200 °C, mPa.s	Approx. 5800
Color, b-value	Max. 15
Acid value (mg KOH/g)	Approx. 31

**Other Properties**

	Typical value
Glass transition (°C)	Approx. 53

**Starting Formulation**

Component	Weight (%)
CRYLCOAT® 1757-6	41.4
Epoxy resin (EEW 700-900)	17.8
Titanium dioxide	39.4
MODAFLOW® Powder 6000	1.0
Benzoin	0.4

**Extrusion & Application Conditions**

Extrusion	
Extruder	Twin screw
Speed	250 rpm
Torque	70-85 %
Temperature	90 to 105 °C
Application	
Application	60 micrometer film on 0.5mm chromated Al panel
Spray Gun	Output voltage: 60 kV
Curing	10 min @ 160° C metal temperature

**Film Properties**

Test	Result
Gloss @ 60° (%)	90
Direct/reverse impact (kg cm or in. lbs.)	80/80

**Shelf Life**

Under normal storage conditions (≤25°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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