

Saturated polyester resin

EXPERIMENTAL

General Description

Alymers® TC003 is master batch of 10% curing accelerator in carboxylated polyester resin. Recommended to accelerate curing time of Hybrid, TGIC and PT 910 type powder coating system. It's mainly used with HC6002.

Packaging

Alymers® products are delivered in a 25kg polyethylene bag as standard and other packaging sizes are available.

Product Properties / Typical values

Item	Specification	Test Method
Appearance	Pale Flakes	Visual
Color	Max. 2	ASTM D 1544
Acid Value (mg KOH/g)	27-33	ASTM D 4662
Viscosity at 200°C (poise)	25-35	ASTM D 4287
Glass transition temp (°C)	Approx. 60	ISO 11357-2

Storage & Handling

The resin should be stored in dry, cool and well ventilated places preferably below 25°C.
 - Keep away from heat sources and direct sunlight.
 - Do not stack more than two pallets.

Shelf Life

Under the recommended storage conditions, the shelf life of the resin will be 12 months from shipment date. The resin older than 12 months, after the shipment, it is recommended to check the properties before use.

Starting Powder Formulation

Component	Weight (%)
Alymers® HC6002	36.6
Type 3 epoxy resin	24.4
Ti-Pure R-902+ (DuPont-Titan)	24.4
Filler (BaSO ₄)	12.2
Resiflow PV5 (Worlee)	0.9
Benzoin (BASF)	0.3
Alymers® TC003(Inopol)	1.2

*Cure schedule: 10 min @200°C (substrate temperature)

Safety Information

Please refer to the Material Safety Data Sheet.

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