

# Alymers® AC3002

## Technical Data Sheet

Saturated polyester resin

### General Description

Alymers® AC3002 is master batch containing 5% of an active compound in a hydroxylated polyester resin.

It greatly improves the tribo chargeability of powder applied on all types of powder coatings.

### Product Properties / Typical values

Item	Specification	Test Method
Appearance	Pale Flakes	Visual
Color	Max. 2	ASTM D 1544
Acid Value (mg KOH/g)	Max. 4	ASTM D 4662
Hydroxyl Value (mg KOH/g)	26-34	ASTM E 222
Viscosity at 200°C (poise)	50-80	ASTM D 4287
Glass transition temp (°C)	Approx. 60	ISO 11357-2

### Starting Powder Formulation

Component	Weight (%)
Alymers® HC7803	41.9
Type 3 epoxy resin	17.9
Ti-Pure R-902+ (DuPont-Titan)	24.0
Filler (BaSO <sub>4</sub> )	12.0
Resiflow PV5 (Worlee)	0.9
Benzoin (BASF)	0.3
Alymers® AC3002(Inopol)	3.0

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

### Packaging

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

### 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.

### Safety Information

Please refer to the Material Safety Data Sheet.

*Revised in July 2020 (Version 4.0)*