

Alymers® AC3005

Technical Data Sheet

Saturated polyester resin

General Description

Alymers® AC3005 is master batch of 15% of leveling agent that made from acrylic polymer for use on flow in hydroxylated polyester resin. Curing based on carboxylated & hydroxylated polyester resin such as Alymers®, cured with 3~5% of Alymers® AC3005 exhibit very nice leveling.

Product Properties / Typical values

Item	Specification	Test Method
Appearance	Pale Flakes	Visual
Color	Max. 3	ASTM D 1544
Acid Value (mg KOH/g)	Max. 3	ASTM D 4662
hydroxyl Value (mg KOH/g)	30-40	ASTM E 222
Viscosity at 200°C (poise)	18-32	ASTM D 4287
Glass transition temp(°C)	Approx. 57	ISO 11357-2

Starting Powder Formulation

Component	Weight (%)
Alymers® PC2816	57.8
Primid XL552 (EMS Griltech)	3.0
Ti-Pure R-902+ (DuPont-Titan)	24.3
Filler (BaSO ₄)	12.2
Alymers® AC3005	2.4
Benzoin (BASF)	0.3

* Cure schedule: 10min @180°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)