

Acrylic resin

EXPERIMENTAL**General Description**

Alymers® AC2205 is a glycidyl functionalized polyacrylic resin designed to maximize the balance of resin Tg, flow and reactivity for excellent coating appearance.

The most used curing agent for Alymers® AC2205 is 1,12-dodecanedioic acid (DDDA), to produce high gloss, smoothness and clarity clear coat.

Product Properties / Typical values

Item	Specification	Test Method
Appearance	Pale Flakes	Visual
Color	Max. 3	ASTM D 1544
EEW (g/eq, Dioxane)	460-540	-
Viscosity at 200°C (poise)	10-20	ASTM D 4287
Non Volatile (wt.%)	Min. 98	150°Cx30min
Glass transition temp (°C)	Approx. 54	ISO 11357-2

Starting Powder Formulation

Component	Weight (%)
Alymers® AC2205	78.43
Dodecanedioic Acid	19.61
Resiflow PV5 (Worlee)	1.47
Benzoin (BASF)	0.49

* Cure schedule: 10min @180°C (substrate temperature)

Packaging

Alymers® products are delivered in a 20kg 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)