

Technical Data Sheet

# Alymers® AC2212 EXP

Acrylic resin

## **EXPERIMENTAL**

## **General Description**

Alymers® AC2212 EXP is a glycidyl functionalized polyacrylic resin designed to maximize the balance of excellent flow and reactivity for coating appearance.

The most used curing agent for Alymers<sup>®</sup> AC2212 EXP is 1,12-dodecanedioic acid(DDDA), to produce high gloss, smoothness and clarity clear coat.

| Item                          | Specification | Test Method |
|-------------------------------|---------------|-------------|
| Appearance                    | Pale Flakes   | Visual      |
| Color                         | Max. 3        | ASTM D 1544 |
| EEW<br>(g/eq, Dioxane)        | 520-580       | -           |
| Viscosity at<br>200℃(poise)   | 7-17          | ASTM D 4287 |
| Non Volatile<br>(wt.%)        | Min. 98       | 150℃x30min  |
| Glass transition<br>temp (°C) | Approx. 50    | ISO 11357-2 |

### Product Properties / Typical values

Please refer to the Material Safety Data Sheet.

| Starting | Powder  | Formulation         |
|----------|---------|---------------------|
| Starting | I OMACI | I VI III AI A LIVII |

| Component                                             | Weight (%) |  |
|-------------------------------------------------------|------------|--|
| Alymers <sup>®</sup> AC2212 EXP                       | 80.39      |  |
| Dodecanedioic Acid                                    | 17.65      |  |
| PLP-100 (Rheoflow)                                    | 1.47       |  |
| Benzoin (BASF)                                        | 0.49       |  |
| * Cura cabadula: 10min @1909C (cubatrata tomporatura) |            |  |

<sup>•</sup> Cure schedule: 10min @180°C (substrate temperature)

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## Packaging

Alymers<sup>®</sup> 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

Disclaimer: The product data contained in this document are typical values, based on our own research and believed to be accurate. INOPOL accepts no liability for any damage directly or indirectly caused by our information and/or the product. The user should take appropriate steps to determine the suitability for a particular purpose as the information pertaining to the product is given for information purposes only.