

UNI-REZ™ 147 Polyamide Resin

PRODUCT DATA SHEET

UNI-REZ 147 polyamide resin is an alcohol soluble / co-solvent type resin offering low temperature gel resistance and good compatibility with modifying resins. UNI-REZ 147 polyamide resin offers better blocking and gloss properties than other modified co-solvent types. It has good solvent compatibility, alcohol reducibility and compatibility to nitrocellulose.

FEATURES:

- Excellent adhesion, gloss, and blocking resistance
- Good solvent release and compatibility with nitrocellulose

POTENTIAL APPLICATIONS:

- Used for flexographic and gravure printing
- Can be used for overprint lacquers, especially cold seal release lacquers

SALES SPECIFICATIONS

| Property | Test Method* | Specification | Typical Value |
|---------------------------------------------------------------|--------------|---------------|---------------|
| Softening Point, Ring & Ball, °C | AQCM 003A | 98-108 | 101 |
| Color, 35% in Toluene/ n-Butanol, Gardner | AQCM 002C | Max. 7 | 5 |
| Acid Number | AQCM 001 | Max. 6 | 2.2 |
| Amine Number | AQCM 069A | Max. 7 | 2.0 |
| Solution Viscosity Brookfield, 35% in Toluene/n-Butanol, 25°C | AQCM 004 | 45-85 | 64 |

*Kraton test methods are available upon request

TYPICAL VALUES

| Property | Test Method* | Typical Value |
|-----------------------------------------------------------------------|--------------|---------------|
| Solution Viscosity Brookfield, 35% in i-Propanol/VM&P Naphtha, 25°C | AQCM 004 | 81 |
| Zahn cup #2 elution time (sec.), 35% in i-Propanol/VM&P Naphtha, 25°C | AQCM 145 | 37 |
| Solution Viscosity Brookfield, 40% in n-Propanol, 25°C | AQCM 004 | 152 |
| Zahn cup #2 elution time (sec.), 40% in n-Propanol, 25°C | AQCM 145 | 57 |
| Viscosity, Brookfield, cps 160°C | AQCM 004 | 966 |
| Color, 40% in n-Propanol, Gardner | AQCM 002A | 5 |

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| DOT SHIPPING CLASSIFICATION | Not regulated as dangerous goods. |
| PACKAGING | UNI-REZ 147 is a granulated resin, packaged in multiwall paper bags, 50lbs. net. |
| STORAGE RECOMMENDATION | Granulated forms of resin are prone to slow oxidation which may result in darkening and/or have an adverse effect on solubility after prolonged storage. The shelf life of this product can be extended by storing in full, closed containers kept in a cool, dry area. |

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