

## UNI-REZ™ 119 Polyamide Resin

### PRODUCT DATA SHEET

UNI-REZ 119 polyamide resin is an alcohol soluble / co-solvent type resin with excellent solvent release and blocking properties. UNI-REZ 119 polyamide resin was developed for release lacquers and has the lowest solution viscosity but fast solvent release.

#### FEATURES:

- Fast solvent release
- Low solution viscosity
- Excellent water / chemical resistance
- Good grease, ice-pack, and chemical resistance

#### POTENTIAL APPLICATIONS:

- Used for flexographic, gravure printing and cold seal release lacquers
- Good compatibility with modifying resins
- Highly compatible with nitrocellulose

### SALES SPECIFICATIONS

Property	Test Method*	Specification	Typical Value
Softening Point, Ring & Ball, °C	AQCM 003A	98-110	105
Color, 35% Toluene/ n-Butanol, Gardner	AQCM 002C	Max. 7	5
Acid Number	AQCM 001	Max. 6	2.1
Amine Number	AQCM 069A	Max. 7	2.2
Solution Viscosity Brookfield, 35% in Toluene/n-Butanol, 25°C	AQCM 004	20-40	34

\*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	38
Zahn cup #2 elution time (sec.), 35% in i-Propanol/VM&P Naphtha, 25°C	AQCM 145	22
Solution Viscosity Brookfield, 40% in n-Propanol, 25°C	AQCM 004	700
Zahn cup #2 elution time (sec.), 40% in n-Propanol, 25°C	AQCM 145	530
Viscosity, Brookfield, cps 160°C	AQCM 004	318
Color, 40% in n-Propanol, Gardner	AQCM 002A	5 +

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<b>DOT SHIPPING CLASSIFICATION</b>	Not regulated as dangerous goods.
<b>PACKAGING</b>	UNI-REZ 119 is a granulated resin, packaged in multiwall paper bags, 50lbs. and 500Kg big bags.
<b>STORAGE RECOMMENDATION</b>	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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