

## UNI-REZ™ 138 Polyamide Resin

### PRODUCT DATA SHEET

UNI-REZ 138 polyamide resin is an alcohol soluble type resin of comparatively low viscosity. It has low odor, high gel and water resistance, together with excellent solvent release and blocking resistance. Its high ester tolerance permits addition of small proportions of nitrocellulose without loss of any of these properties.

#### FEATURES:

- Excellent pigment wetting, gloss, and blocking resistance
- Good solvent release and compatibility with nitrocellulose
- Good grease, water, and chemical resistance

#### POTENTIAL APPLICATIONS:

- Used for flexographic inks and lacquers
- Low odor and color
- Low viscosity enables high color strength inks
- High compatibility with nitrocellulose allows high heat resistance with good gloss

### SALES SPECIFICATIONS

Property	Test Method*	Specification	Typical Value
Softening Point, Ring & Ball, °C	AQCM 003A	105-115	110
Color, 50% in n-Propanol, Gardner	AQCM 002C	Max. 7	5
Acid Number	AQCM 001	Max. 6	2.0
Amine Number	AQCM 069A	Max. 7	1.6
Solution Viscosity Brookfield, 50% in n-propanol, 25°C	AQCM 004	130-150	136

\*Kraton test methods are available upon request

### TYPICAL VALUES

Property	Test Method*	Typical Value
Solution Viscosity Brookfield, 40% in n-Propanol, 25°C	AQCM 004	54
Zahn cup #2 elution time (sec.), 40% in n-Propanol, 25°C	AQCM 145	25
Viscosity, Brookfield, cps 160°C	AQCM 004	194
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 138 is a granulated resin, packaged in multiwall paper bags, 50 lbs. and 500Kg big bags are also available.
<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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