

UNI-REZ™ 2218 Polyamide Resin

PRODUCT DATA SHEET

UNI-REZ 2218 polyamide resin is an alcohol soluble type resin that is used for flexographic printing. It has balanced properties making it a good choice for general purpose flexographic surface printing.

FEATURES:

- Mid-range viscosity
- Alcohol soluble
- Highly compatible with nitrocellulose

POTENTIAL APPLICATIONS:

- Good balance of viscosity and film properties
- Balance of solvent release and gel resistance
- Stabilized with a unique antioxidant package to prevent degradation

SALES SPECIFICATIONS

Property	Test Method*	Specification	Typical Value
Softening Point, Ring & Ball, °C	AQCM 003A	115-125	122
Color, 50% in n-Propanol, Gardner	AQCM 002C	Max. 7	6
Acid Number	AQCM 001	1-6	4.1
Amine Number	AQCM 069A	Max. 7	4.0
Solution Viscosity Brookfield, 50% in n-Propanol, 25°C	AQCM 004	260-360	283

*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	107
Zahn cup #2 elution time (sec.), 40% in n-Propanol, 25°C	AQCM 145	38
Viscosity, Brookfield, cps 160°C	AQCM 004	620
Color, 40% in n-Propanol, Gardner	AQCM 002A	5 +
Ethanol Solubility, anhydrous 95% Ethanol (IPA denaturant)		
% Solids in Haze Point	ADVM 552	9.8
% Ethanol Tolerance, 20 % NV Ethanol Solution	ADVM 552	104

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DOT SHIPPING CLASSIFICATION	Not regulated as dangerous goods.
PACKAGING	UNI-REZ 2218 is a granulated resin, packaged in multiwall paper bags, 50 lbs.
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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