

UNI-REZ™ 2221 Polyamide Resin

PRODUCT DATA SHEET

UNI-REZ 2221 polyamide resin is an alcohol soluble type resin for flexographic printing. It has high compatibility with nitrocellulose and low viscosity, allowing for high heat resistance and high color strength.

FEATURES:

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

POTENTIAL APPLICATIONS:

- Excellent gel resistance
- 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	105-113	110
Color, 50% in n-Propanol, Gardner	AQCM 002C	Max. 7	5 +
Acid Number	AQCM 001	1-6	4.1
Amine Number	AQCM 069A	Max. 7	3.0
Solution Viscosity Brookfield, 50% in n-Propanol, 25°C	AQCM 004	95-135	115

*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	52
Zahn cup #2 elution time (sec.), 40% in n-Propanol, 25°C	AQCM 145	24
Viscosity, Brookfield, cps 160°C	AQCM 004	148
Color, 40% in n-Propanol, Gardner	AQCM 002A	5 +
Ethanol Solubility, anhydrous 95% Ethanol (IPA denaturant)		
% Solids in Haze Point	ADVM 552	8.4
% Ethanol Tolerance, 20 % NV Ethanol Solution	ADVM 552	138

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DOT SHIPPING CLASSIFICATION	Not regulated as dangerous goods.
PACKAGING	UNI-REZ 2221 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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