

UNI-REZ™ 110 Polyamide Resin

PRODUCT DATA SHEET

UNI-REZ 110 polyamide resin is an alcohol soluble / co-solvent type resin with excellent solvent release and blocking properties. UNI-REZ 110 polyamide resin was developed for release lacquers but can also be used as a modifying resin to improve hardness.

FEATURES:

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

POTENTIAL APPLICATIONS:

- Used for flexographic printing and heat seal applications
- Can be used for overprint lacquers, especially cold seal release lacquers
- Used as modifier to improve hardness

SALES SPECIFICATIONS

Property	Test Method*	Specification	Typical Value
Softening Point, Ring & Ball, °C	AQCM 003A	138-148	142
Color, 35% Toluene/ n-Butanol, Gardner	AQCM 002C	Max. 7	5
Acid Number	AQCM 001	Max. 6	2.7
Amine Number	AQCM 069A	Max. 7	2.2
Solution Viscosity Brookfield, 35% Toluene/ n-Butanol, 25°C	AQCM 004	25-40	32

*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	41
Zahn cup #2 elution time (sec.), 35% in i-Propanol/VM&P Naphtha, 25°C	AQCM 145	23
Solution Viscosity Brookfield, 40% in n-Propanol, 25°C	AQCM 004	97
Zahn cup #2 elution time (sec.), 40% in n-Propanol, 25°C	AQCM 145	86
Viscosity, Brookfield, cps 160°C	AQCM 004	371
Color, 40% in n-Propanol, Gardner	AQCM 002A	5 +

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DOT SHIPPING CLASSIFICATION	Not regulated as dangerous goods.
PACKAGING	UNI-REZ 110 is a granulated resin, packaged in multiwall paper bags, 50lbs. and 500Kg big bags.
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.

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