

UNI-REZ™ 106/1 Polyamide Resin

PRODUCT DATA SHEET

UNI-REZ 106/1 polyamide resin is a co-solvent type resin which is soluble in alcohols, but typically requires mixtures of aliphatic hydrocarbons and alcohols for gel stability. UNI-REZ 106/1 polyamide resin provides fast solvent release and good grease resistance in flexographic / gravure inks for plastic substrates and is especially effective as an overprint lacquer.

FEATURES:

- Excellent cohesion
- Excellent pigment wetting and fast solvent release
- Good grease, ice-pack, water and chemical resistance

POTENTIAL APPLICATIONS:

- Used for flexographic or gravure printing
- Can be used for overprint lacquers, especially cold seal release lacquers
- Can be used for high speed printing inks

SALES SPECIFICATIONS

Property	Test Method*	Specification	Typical Value
Softening Point, Ring & Ball, °C	AQCM 003A	105-115	111
Color, 35% in Toluene/ n-Butanol, Gardner	AQCM 002C	Max. 7	5
Acid Number	AQCM 001	Max. 6	2.2
Amine Number	AQCM 069A	Max. 7	2.4
Solution Viscosity Brookfield, 35% in Toluene/n-Butanol, 25°C	AQCM 004	105-125	115

*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	171
Zahn cup #2 elution time (sec.), 35% in i-Propanol/VM&P Naphtha, 25°C	AQCM 145	61
Viscosity, Brookfield, cps 160°C	AQCM 004	4030
Color, 35% in i-Propanol/VM&P Naphtha, Gardner	AQCM 002A	5

*Kraton test methods are available upon request

DOT SHIPPING CLASSIFICATION	Not regulated as dangerous goods.
PACKAGING	UNI-REZ 106/1 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. 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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