

## UNI-REZ™ 2720 Hot Melt Polyamide Adhesive

### PRODUCT DATA SHEET

UNI-REZ 2720 hot melt polyamide adhesive is a resin based on dimer acid. UNI-REZ 2720 hot melt polyamide adhesive offers good chemical resistance, low softening point and low viscosity which allows for a lower application temperature and fast set.

#### FEATURES:

- Chemical and grease resistance
- Fast set
- Water resistance
- Provides good wetting

#### POTENTIAL APPLICATIONS:

- Packaging
- Leather goods
- Binder

### SALES SPECIFICATIONS

Property	Test Method*	Specification
Softening Point (°C), Ring & Ball	ASTM E28 (AOCM 003)	90 - 105
Viscosity LVT Brookfield, Spindle #31, cps/mPA.s 150°C	ASTM D3236 (AOCM 146)	1000 - 1700
Color, 40% in n-Butanol, Gardner	AOCM 002	Max. 7

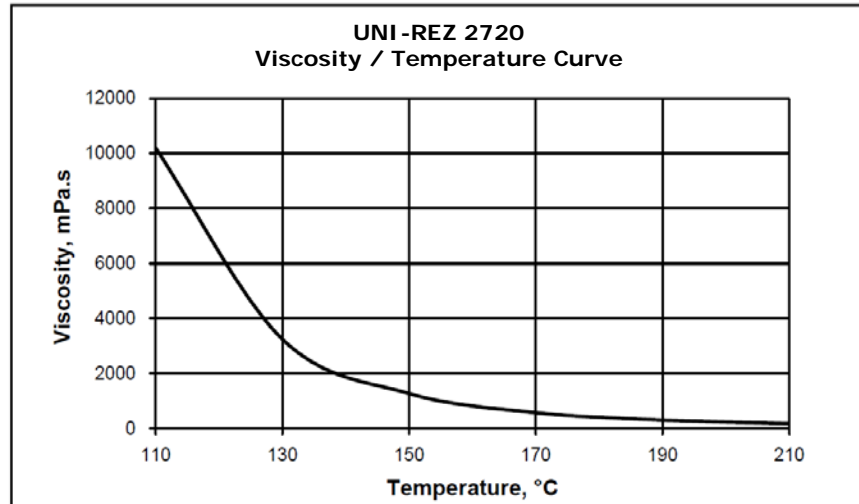
\*Kraton test methods are available upon request

### TYPICAL VALUES

Property	Test Method*	Typical Value
Acid Value mg KOH/g	AOCM 001	8.0
Amine Value mg KOH/g	AOCM 139	0.5
Color 40% in n-Butanol, Gardner	AOCM 002	6-
Moisture Quintel Moisture Analyzer, %	AOCM 056	0.20
Tensile Strength psi (MPa)	ASTM D1708	750 (5.2)
Elongation %	ASTM D1708	40
Tensile Modulus psi (MPa)	ASTM D638	29500 (203)
Mandrel Bend Flexibility (1" diameter), pass, °C	ASTM D3111	-5
Open Time seconds, 10 mil film	ASTM D4497	5
Shear Adhesion Failure Temp (SAFT), 1 kg. wt. °C	ASTM D4498	88
Shore A and D Hardness	ASTM D2240-97	A91 / D44
Water Absorption % after 24 hours	ASTM D570	0.20
Water Absorption % after 7 days	ASTM D570	0.39
Pounds per gallon (g/cc), 25°C	ASTM D792	8.0 (0.96)
Flash Point °C, COC	ASTM D92-16	271 (520°F)

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<b>HOT MELT STABILITY</b>	UNI-REZ 2720 hot melt polyamide adhesive may be exposed to air for up to 2 hours at 210°C (410°F) or 4 hours at 190°C (374°F) without skin formation or significant viscosity increase. A nitrogen blanket is essential for longer melt pot residence times.
<b>SOLUBILITY</b>	UNI-REZ 2720 hot melt polyamide adhesive is designed to be used as a hot melt. However, if this polyamide should need to be cut into a solvent for testing, the recommended solvents include n-butanol, n-propanol or a 50/50 blend of isopropyl alcohol and toluene.
<b>PACKAGING</b>	UNI-REZ 2720 hot melt polyamide adhesive is in pellet form, packaged in poly-foil lined multi-wall bags, 40 or 50 lb. net.
<b>STORAGE RECOMMENDATION</b>	This product will slowly absorb moisture from the air, which may cause foaming when the resin is melted and could result in inadequate bonds. Partially used containers should be closed tightly, or the remaining resin transferred into an airtight container and kept in a cool, dry area.

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