

UNI-REZ™ 2675 Hot Melt Polyamide Adhesive

PRODUCT DATA SHEET

UNI-REZ 2675 hot melt polyamide adhesive is a resin based on dimer acid. UNI-REZ 2675 hot melt polyamide adhesive has excellent green strength allowing for fast line speeds.

FEATURES:

- Heat resistance
- High green strength
- Moderate open time
- Good high/low temperature cycling
- High humidity resistance

POTENTIAL APPLICATIONS:

- Automotive
- Packaging
- Multipurpose Assembly
- Cornerbead

SALES SPECIFICATIONS

Property	Test Method*	Specification
Softening Point (°C), Ring & Ball	ASTM E28 (AQCM 003)	130 – 142
Viscosity LVT Brookfield, Spindle #31, cps/mPA.s 190°C	ASTM D3236 (AQCM 146)	1500 - 2500
Color, 40% in n-Butanol, Gardner	AQCM 002	Max. 7

*Kraton test methods are available upon request

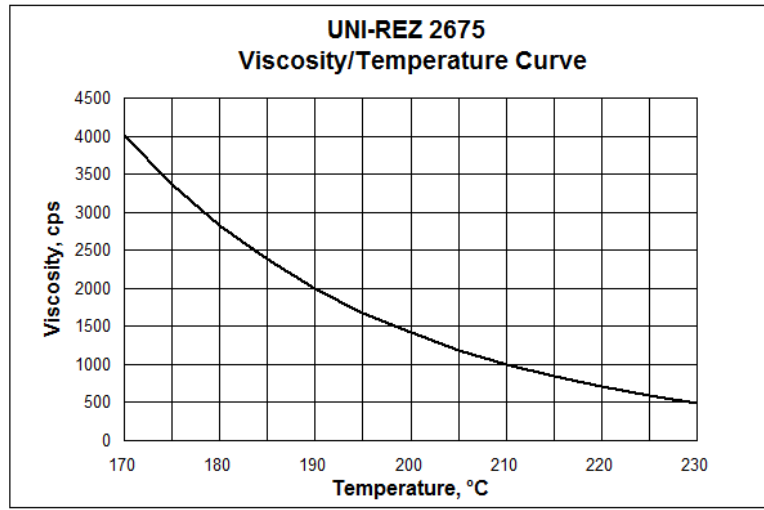
TYPICAL VALUES

Property	Test Method*	Typical Value
Acid Value mg KOH/g	AQCM 001	12.0
Amine Value mg KOH/g	AQCM 139	0.5
Color 40% in n-Butanol, Gardner	AQCM 002	5
Moisture Quintel Moisture Analyzer, %	AQCM 056	0.14
Tensile Strength psi (MPa)	ASTM D1708	260 (1.8)
Elongation %	ASTM D1708	125
Tensile Modulus psi (MPa)	ASTM D638	4000 (28)
Peel Strength pli (n/25mm), plasticized PVC to itself	ASTM D1876	15 (66)
Mandrel Bend Flexibility (1" diameter), pass, °C	ASTM D3111	-20
Open Time seconds, 10 mil film	ASTM D4497	20 - 25
Shear Adhesion Failure Temp (SAFT), 1 kg. wt. °C	ASTM D4498	118
Shore A and D Hardness	ASTM D2240-97	A84 / D26
Water Absorption % after 24 hours	ASTM D570	0.9
Water Absorption % after 7 days	ASTM D570	1.9
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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HOT MELT STABILITY	UNI-REZ 2675 hot melt polyamide adhesive may be exposed to air for up to 4 hours at 210°C (410°F) or 8 hours at 190°C (374°F) without skin formation or significant viscosity increase. A nitrogen blanket is essential for longer melt pot residence times.
SOLUBILITY	UNI-REZ 2675 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.
PACKAGING	UNI-REZ 2675 hot melt polyamide adhesive is in pellet form, packaged in poly-foil lined multi-wall bags, 40 or 50 lb. net.
STORAGE RECOMMENDATION	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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