



Product Data Sheet

UNI-REZ[®] 2628

HOT MELT POLYAMIDE ADHESIVE

FEATURES

- Flame resistance UL94 V-0
- Low temperature flexibility
- Fast set
- Good high / low temperature cycling

APPLICATIONS

- TV deflection yokes
- Low pressure molding
- Potting

PROPERTIES	SPECIFICATIONS
Softening Point , °C, Ring & Ball, ASTM E 28	163-173
Viscosity , LVT Brookfield, Spindle # 31, cps/mPa-s at 190°C, ASTM D 3236	650-1150
Color , 40% in n-Butanol, Gardner	7 Maximum
Flame Resistance	UL 94V-0
High Voltage Resistance	UL 1492
	TYPICAL VALUES
Acid Value , mg KOH/g	10
Amine Value , mg KOH/g	1.0
Color , 40% in n-Butanol, Gardner	6
Tensile Strength , psi (MPa), ASTM D 1708	500 (3.4)
Elongation , %, ASTM D-1708	100
Tensile Modulus , psi (Mpa), ASTM D 638	12000 (83)
Shore D Hardness	30
Mandrel Bend Flexibility (1" diameter), pass, °C, ASTM D 3111	-20
Open Time , sec., 10 mil film, ASTM D 4497	10
Shear Adhesion Failure Temperature (SAFT) , 1 kg. wt. °C, ASTM D 4498	140
Water Absorption , ASTM D-570: after 24 hours, % after 7 days, %	1.1 2.7
Pounds per Gallon , (g/cc), 25°C	8.2 (.98)
Flash Point , °C, COC	271 (520°F)

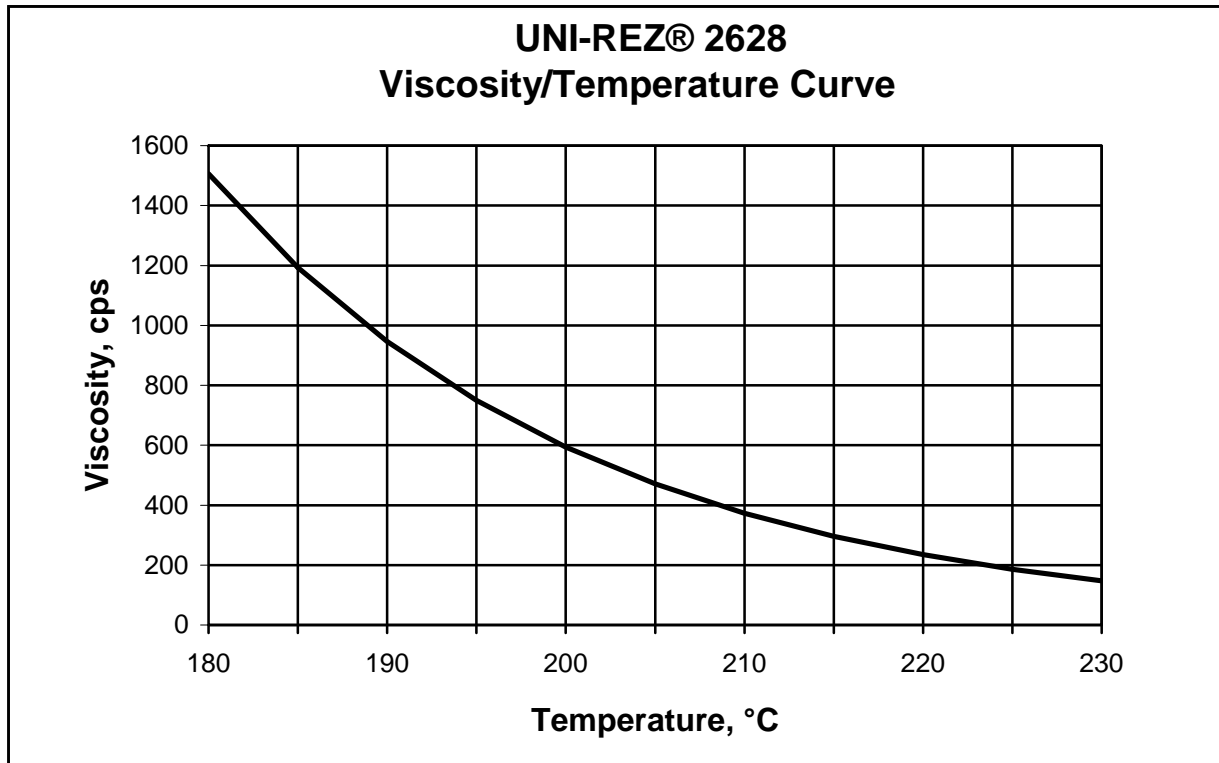


Technical Service: Savannah, GA (912) 238-6556
Sales Service: Jacksonville, FL - (800) 733-1374

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Electrical Properties:	Dielectric Constant [1 kHz] 5.70 Dielectric Strength [kV/mm] 34.26 Resistivity [Ω cm] 4.52×10^{11}
Hot Melt Stability:	Molten UNI-REZ® 2628 may be exposed to air for up to 3 hours at 210°C (410°F) or 6 hours at 190°C (374°F) without skin formation or significant viscosity increase. A nitrogen blanket is essential for longer melt pot residence times.
Handling and storage:	UNI-REZ® 2628 will slowly absorb moisture from the air, which may cause foaming when the resin is melted and may result in inadequate bonds. Partially used containers should be closed tightly or the remaining resin should be transferred into an airtight container and kept in a cool, dry area.
FDA Status:	UNI-REZ® 2628 does not meet any requirements of the Code of Federal Regulations, Title 21.
TSCA Status:	UNI-REZ® 2628 is listed on the TSCA inventory.
DOT Shipping Classification:	Non-hazardous.
Shipping:	UNI-REZ® 2628 is available in pellet form, packaged in poly-foil lined multi-wall bags, 50 lb. net.

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