



# Product Data Sheet

## UNI-REZ<sup>®</sup> 2611

### HOT MELT POLYAMIDE ADHESIVE

#### FEATURES

- Chemical and grease resistance
- Non-sagging
- Low temperature flexibility
- Good high / low temperature cycling
- FDA approval 175.105

#### APPLICATIONS

- Converting
- Packaging
- Multipurpose assembly
- Textiles

| PROPERTIES  | SPECIFICATIONS |
|---|----------------|
| <b>Softening Point</b> , °C Ring & Ball, ASTM E 28                              | 127-137        |
| <b>Viscosity</b> , LVT Brookfield, Spindle # 31,cps/mPa·s at 190°C, ASTM D 3236 | 3300-4800      |
| <b>Color</b> , 40% in n-Butanol, Gardner  | 7 Maximum      |
|   | TYPICAL VALUES |
| <b>Acid Value</b> , mg KOH/g  | 8.0            |
| <b>Amine Value</b> , mg KOH/g   | 0.5            |
| <b>Color</b> , 40% in n-Butanol, Gardner  | 5              |
| <b>Tensile Strength</b> , psi (MPa), ASTM D-1708                                | 700 (4.8)      |
| <b>Elongation</b> , %, ASTM D-1708  | 550            |
| <b>Tensile Modulus</b> , psi (MPa), ASTM D-638                                  | 24000 (166)    |
| <b>Mandrel Bend Flexibility</b> (1" diameter), pass,°C, ASTM D 3111             | -25            |
| <b>Open Time</b> , sec., 10 mil film, ASTM D 4497                               | 5-10           |
| <b>Shear Adhesion Failure Temperature (SAFT)</b> , 1 kg. wt. °C, ASTM D 4498    | 115            |
| <b>Water Absorption</b> , ASTM D-570:<br>after 24 hours, %<br>after 7 days, %   | 0.3<br>0.6     |
| <b>Pounds per Gallon</b> , (g/cc), 25°C   | 8.2 (0.98)     |
| <b>Flash Point</b> ,° C, COC  | 271 (520°F)    |

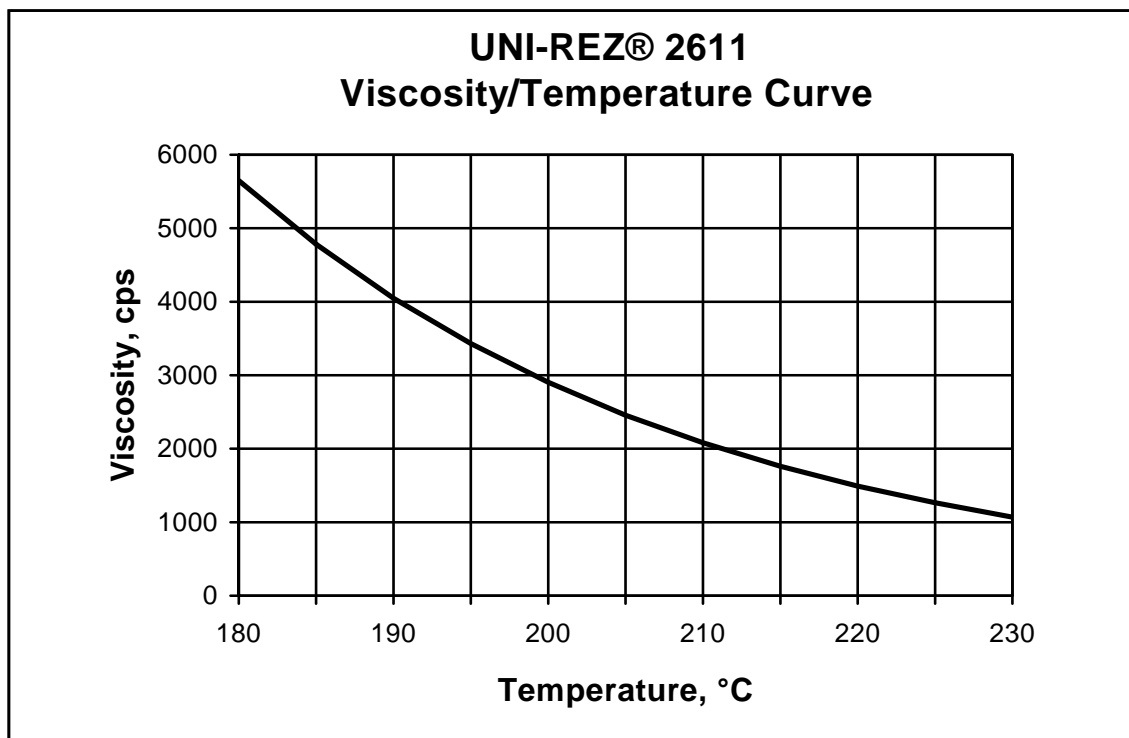


Technical Service: Savannah, GA (912) 238-6556  
Sales Service: Jacksonville, FL - (800) 733-1374

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|-------------------------------------|--|
| <b>Hot Melt Stability:</b>          | Molten <b>UNI-REZ® 2611</b> may be exposed to air for up to 5 hours at 210°C (410°F) or 12 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>Handling and storage:</b>        | <b>UNI-REZ® 2611</b> 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. |
| <b>FDA Status:</b>                  | <b>UNI-REZ® 2611</b> meets the ingredient requirements of the following section of the Code of Federal Regulations, Title 21 when used according to the regulations and any limitations that may apply:<br><p style="text-align: center;">175.105 Adhesives</p>  |
| <b>TSCA Status:</b>                 | <b>UNI-REZ® 2611</b> is listed on the TSCA inventory.  |
| <b>DOT Shipping Classification:</b> | Non-hazardous.   |
| <b>Shipping:</b>                    | Available in pellet form, packaged in poly-foil lined fiber drums, 250 lb. net.  |

9/03



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