



# BETASEAL™ 57302

## Urethane Adhesive

### Description

**BETASEAL™ 57302** is a one component, moisture curing, high viscosity polyurethane adhesive. **BETASEAL™ 57302** is suitable for stationary glass bonding when used with appropriate primers. It is resistant to extended outdoor weathering without losing its adhesion and physical characteristics.

### Application Technique

**BETASEAL™ 57302** adhesive is applied in bead form with a pressurized flow gun or other suitable application system. Can be applied manually and robotically.

### Safety Precautions

Refer to Material Safety Data Sheet for additional details.

### Storage

**BETASEAL™ 57302** adhesive is a moisture-sensitive material and **MUST** be stored in airtight, dry containers at temperatures between 18°C (65°F) and 35°C (95°F).

**Do not store outside.**

### Storage Stability

The shelf life of this material is 6 months from the date of manufacture. Regarding elevated temperature stability, the material is capable of withstanding a maximum temperature of 43°C for up to three days. As for low temperature stability, the adhesive is capable of withstanding at least three cycles of 17 hours at -29°C, followed by 7 hours at 25°C. Urethane adhesives and primers are marked with expiration dates.

### Clean-Up

If clean-up is required, the uncured material shall be readily removable from production top coats, glass surface, glass inner liners and vinyl top materials with VM&P Naphtha or solvent agreed upon at time of approval with appropriate engineering groups.

### Physical Properties

<b>Appearance</b>	Black
<b>Solids content, Minimum, %</b>	98
<b>Flash point setaflash, °F</b>	>230°
<b>°C</b>	>110°
<b>Viscosity (Flow Rate), initial at 23°C, 50% RH, seconds [0.157" (4mm) orifice, 80 psi (550 kPa)]</b>	20 – 50
<b>Sag</b>	None

### Cured Physical Properties

<b>Hardness, Shore "A" durometer, average,</b>	
• After 7 days at 23°C, 50% RH	55
<b>Elongation at break, %</b>	> 250
<b>Tensile at break, psi (MPa)</b>	> 1000 (6.9)

### Performance Properties

#### Bonding Systems

<b>Tack free time at 23°C, 50%RH</b>	
Maximum, minutes	45
<b>Lap shear</b>	
• After 3 days at 23°C, 50%RH, psi (MPa)	> 500 (3.4)

Contact your Dow Automotive Sales Representative for more detailed information.

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