

BETASEAL™ 57302N

Urethane Adhesive



Dow Automotive

Description

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

Application Technique

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

Safety Precautions

Refer to the Material Safety Data Sheets.

Storage

Betaseal™ 57302N 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 or in direct sunlight.**

Storage Stability

The shelf life of this material is assured for 6 months (from the date of manufacture) at temperatures not to exceed 35°C (95°F). 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 adhesive and primer packages are marked with expiration dates.

Clean-up

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

Packaging

Standard packaging is 55 gallon drums.

Distributed by:

Rudolph Bros. & Co.

PO Box 425, Canal Winchester, OH 43110

Phone: 614-833-0707

Fax: 800-600-9508

e-mail: rbcsupport@rudbro.com

www.rudbro.com

Physical Properties

Appearance	Black
Solids Content, Minimum, %	98
Density, lb/gal (kg/L)	10.5 (1.26)
Flash Point Setaflash, °F (°C)	>230°F (110°C)
Viscosity (Flow Rate), Initial at 23°C, 50%RH, seconds, [0.157" (4mm) orifice, 80psi (550kPa)]	25-45
Sag	None
Tack Free Time Maximum, minutes At 23°C and 50% RH	45

Cured Physical Properties

Hardness, Shore "A" Durometer, average, After 7 days at 23°C, 50%RH	55
Elongation at Break, Minimum, % After RT cure	> 500
Tensile at Break Minimum, psi (kPa) After RT cure	> 1015 (7000)

Performance Properties Bonding Systems

Lap shear Minimum, psi (MPa) After 3 days at 23°C, 50%RH	> 500 (3.4)
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Contact your Dow Automotive Sales Representative for more detailed information.

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