

BETASEAL™ 58702

Urethane Adhesive



Dow Automotive

Description

BETASEAL™ 58702 is a one component, moisture curing, standard viscosity polyurethane adhesive. **BETASEAL™ 58702** 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™ 58702 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 Material Safety Data Sheet for additional details.

Storage

BETASEAL™ 58702 adhesive is a moisture-sensitive material and **MUST** be stored in air-tight, 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.

Solids content,

Minimum, % 97

Flash point setaflash,

°F 155
°C 68

Viscosity (Flow Rate), initial

at 23°C, 50% RH, seconds
[0.104" (2.64mm) orifice, 60 psi
(414 kPa)] 25 - 50

Sag None

Cured Physical Properties

Hardness, Shore "A"

durometer, typical,

- After 7 days at 23°C,
50%RH 50

Elongation at break, %

> 400

Tensile at break, psi (MPa) > 1000 (6.9)

Performance Properties

Bonding Systems

Tack free time at 23°C,

50%RH

Maximum, minutes 50

Lap shear

- After 3 days at 23°C,
50%RH, psi (MPa) > 500 (3.4)

Contact your Dow Automotive Sales Representative for more detailed information about this product.

DISCLAIMER OF WARRANTY

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Physical Properties

Appearance Black

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All values are typical and not intended for specification use

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