

BETASEAL™ 17042

Urethane Adhesive



Description

BETASEAL™ 17042 is a one component, advanced curing, high viscosity polyurethane adhesive. BETASEAL™ 17042 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™ 17042 adhesive is applied in bead form with a suitable application system. Can be applied manually and robotically.

Safety Precautions

Refer to Material Safety Data Sheet for additional details.

Storage

BETASEAL™ 17042 adhesive is a moisture-sensitive material and MUST be stored in airtight, dry containers at temperatures between 16°C (60°F) and 27°C (80°F).

Do not store outside.

Storage Stability

The shelf life of this material is 6 months from the date of manufacture. 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.

Packaging

Standard packaging is 55 gallon drums.

Physical Properties

Appearance Black

Solids content,
Minimum, % 99

Flash point setaflash,
°F >230°
°C >110°

Viscosity (press flow),
initial at 23°C, 50% RH,
seconds [0.203" (5.16mm)
orifice, 80 psi (550 kPa)] 20 – 50

Sag None

Tack free time
at 23°C, 50%RH
Maximum, minutes 14

Cured Physical Properties

Hardness, Shore "A"
durometer, average,
• After 7 days at 23°C,
50% RH 55 – 65

Elongation, % > 400

Tensile strength, psi (MPa) > 1000 (6.9)

Performance Properties

Bonding Systems

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.

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