



AutoBond PU

Professional Automotive PU Adhesive & Sealant

ISO 9001 BUREAU VERITAS Certification	
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Description

AutoBond PU is a one-component, moisture-curing polyurethane adhesive with medium viscosity, specifically formulated for the bonding and sealing of vehicle windshields, backlights, and sidelights. It provides excellent adhesion to glass, painted surfaces, and metal substrates, delivering a high-strength, durable, and elastic bond with outstanding resistance to vibration and weathering.

Technical Data

Physical Properties	Test Method	Typical Value
Specific Gravity @25°C, g/ml	ASTM D1475	1.60 ± 0.03
Skin Over Time @25°C, Minutes	-	2 - 5
Tack free Time @25°C, Minutes	ASTM C679	10 - 25
Flow (Sag or Slump)	ASTM C639	Non-Sag
Depth cure per day, mm	-	>2
Tensile Strength, N/mm ²	ASTM D412	0.8 - 1.2
Elongation, %	ASTM D412	400 - 550
Tear Resistance, N/mm	ASTM D624	7 - 9
Shore A - Hardness	ASTM D2240	40 - 50
Application Temperature, °C	-	+5 to +40
Color		Black

Characteristics

- Non-Sag Consistency
- Fast Moisture-Curing System
- Easy Gunning with Excellent Workability
- 10-15 Minute Open Working Time.
- High Bonding Strength.
- Permanently Elastic After Curing.
- Excellent Adhesion to Glass & Metal.
- Weather, Water & Vibration Resistant.
- Paintable After Full Cure

Remarks

The information provided in this Technical Data Sheet is based on laboratory testing and our current knowledge. Users should verify the product's suitability for their specific application. BSF reserves the right to modify product specifications without prior notice, and this document supersedes all previous editions. Liability is limited to the replacement of defective products supplied.

Instructions for Use

Ensure all bonding surfaces are clean, dry, and free from dust, grease, oil, and other contaminants. Remove any loose or damaged material before application.

Cut the nozzle to the desired size to produce a triangular bead and apply **AutoBond PU** using a pneumatic sealant gun. Apply a continuous bead directly onto the glass, then carefully position the windshield by aligning it with the vehicle body. Press firmly into place to ensure complete contact between the adhesive and the bonding surfaces, and allow the adhesive to cure before the vehicle is put into service.

Uses and Applications

AutoBond PU is specifically designed for the direct bonding and sealing of automotive glazing systems. It is suitable for the installation and replacement of vehicle windshields, backlights, and sidelights in passenger cars, commercial vehicles, buses, trucks, and other transport vehicles. The adhesive provides excellent adhesion to glass, painted metal, and suitable primed substrates, forming a high-strength, permanently elastic bond. It ensures long-lasting resistance to water, weathering, vibration, and environmental exposure, making it ideal for both OEM production and professional automotive glass replacement applications.

Storage

Keep in a cool, dry, well-ventilated place between +5 and +25°C, away from heat sources and direct sunlight. Keep Expiration: 15 months in its unopened container.

Cleaning

Contaminated surfaces and equipment can be cleaned in "fresh" condition with suitable solvents. Once dried, the material can only be removed mechanically. Hands and exposed skin shall be washed immediately using a suitable hand cleaner and water. Avoid using solvents on skin.

Safety & Hygiene

Use only with adequate ventilation. Prevent contact with skin, eyes, and clothing. Wash thoroughly after handling. Avoid breathing vapors. DO NOT take it internally. Use impervious gloves, and eye protection if the TLV is exceeded or used in a poorly ventilated area. Always utilize the accompanying SDS for information on Personal Protective Equipment (PPE) and Health Hazards.