

PU1611

HIGH BONDING PU ADHESIVE

Premium Quality & Ultimate Service

One Component High Bonding Auto Glass Polyurethane Adhesive PU1611

■ Technical Data Table

PROPERTY	VALUE
Chemical base	1-C polyurethane
Colour (Appearance)	Black
Cure mechanism	Moisture curing
Density (g/cm ³) (GB/T 13477.2)	1.35±0.05kg/l approx.
Non-sag properties(GB/T 13477.6)	Very good
Application temperature	5°C to 35°C
Tack-free time ₁ (GB/T 13477.5)	10~40mins
Open time ₁	30 min approx.
Curing speed (HG/T 4363)	3-5mm/24hrs
Shore A hardness (GB/T 531.1)	60±5 approx.
Tensile strength (GB/T 528)	6 N/mm ² approx.
Elongation at break (GB/T 528)	430% approx.
Tear propagation resistance (GB/T 529)	>4N/mm approx.
Extrudability (ml/min)	40
Tensile-shear strength(MPa)GB/T 7124	3.5 N/mm ² approx.
Safe Drive-Away Time ₁ (cars with double side airbags)	2 h
Service temperature	-40°C to 90°C
Shelf life (storage below 25°C) (CQP 016-1)	9 months

■ Description

●PU1611 is one component polyurethane adhesive with very good tensile strength and elasticity, primerless, can be used for Automotive and bus industry.

■ Key Features

- High Viscosity
- No DOP
- Primerless
- Odorless
- Excellent thixotropy, non-sag properties
- Fast adhesion to substrates
- Paintable and polishable
- Excellent wear-resisting property
- Automotive OEM quality
- No oil permeated

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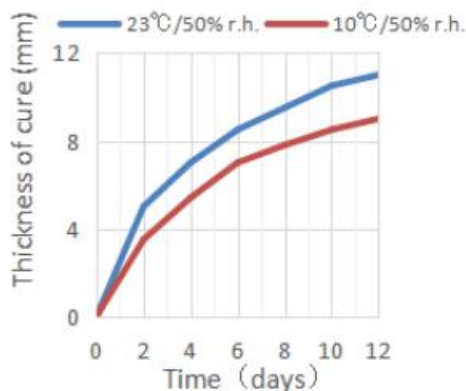
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■ Areas of Application

- Specially used for windshield and side glass of bus, car, railway vehicle (metro, high-speed rail), ship, spaceflight, engineering machinery vehicle, carriage and special vehicle
- For glass steel and plastic accessories (car roof, side body and car front)
- For bonding different material (such as metal, plastic, and glass) which requires high tensile strength and elasticity, the bonding can bear high mechanical deformation force

■ Curing Degree Graph

- PU1611 cures by reaction with atmospheric moisture. The curing speed lower at lower humidity or lower temperature.



■ Chemical Resistance

- PU1611 is excellent resistant to fresh water, saltwater, sewage water and acids.
- Temporarily resistant to fuels, mineral oils, vegetable and animal fats and oils.
- Not resistant to organic acids and caustic solutions or solvents.
- The above information is offered for general guidance only. For more professional questions, please consult MAXTECH service.

■ Packing Specification

- Cartridge 310ml
 - Sausage 400ml
 - Sausage 600ml
 - Pail/Drum 240kg
- 20pcs per box , 2 boxes per Carton.

■ Direction for use

Tool: Manual or pneumatic plunger caulking gun

- Cleaning: Clean and dry all surfaces by removing foreign matter and contaminants such as oil dust, grease, frost, water, dirt, old sealants and any protective coating.
- For cartridge
 1. Cut nozzle to give the required angle and bead size
 2. Pierce the membrane at the top of the cartridge and screw on the nozzle
 3. Place the cartridge in an applicator gun and squeeze the trigger with equal strength
- For sausage
 1. Clip the end of the sausage and place in barrel gun
 2. Screw end cap and nozzle on to barrel gun
 3. Using the trigger extrude the sealant with equal strength

■ Cautions

- Keep away from children.
- Avoid contacting with skin and eyes. For skin contact, remove the sealant by cloth, wash skin thoroughly with soap and water. For eye contact, hold eyelids apart and flush thoroughly with water, contact physician.

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■ Transport & Storage

- Transport: Keep the sealed product away from moisture, the sun, high temperature and avoid collisions.
- Storage: Keep the sealed product into cool, dry place.
- Storage temperature: 5~25°C. Humidity: $\leq 50\%RH$.
- Cartridge and Sausage :9 month. Pail/Drum:6 month.

■ Safety Operation Data

MSDS isn't included here. Please read TDS, MSDS and label carefully before operation. You can get MSDS from MAXTECH or other distributors, or mail to service center maxtech@shmaxtech.com

■ Warranty and Liability

All product properties and application details based on information believe to be reliable and accurate. But you still need to test its property and safety before application. The advice we supply don't apply in any circumstances. MAXTECH don't make assurance of any other applications outside the specification until MAXTECH supply a special written guarantee. MAXTECH is only responsible to replace or refund if this product is defective within the warranty period stated above. MAXTECH makes it clear that will not be liable of any accidents.

Special Notes: All recommendations concerning our products, including transportation, storage, and handling are based on our current knowledge and experience under normal conditions. In practical application, results may differ because of materials and actual site conditions change, our company won't guarantee or bear any legal responsibility. In order to ensure the bonding effect and the compatibility of products and materials, it is recommended to do the compatibility test or consult MAXTECH Technical Services before proceeding with the full application.