



Adhesive SMP5110

GBA

Silane modified polyether adhesive for industrial use

Product Highlights

- Environmentally friendly products: fast curing, low VOC, non-toxic and odor-less, no pollution or corrosion to the substrate.
- Surface coating: After the surface is dry, it can be sprayed with paint for coloring.
- Good operability: single component, easy to operate, within the temperature range of 4 °C~40 °C
- It has good extrusiveness and can be directly applied by extruding with a glue gun.
- Excellent adhesion: to metals, glass, ceramics, wood, PVC, PC, PA
- The material has excellent adhesion.
- Excellent weather resistance, aging resistance, dielectric and mechanical properties.

SPECIFICATIONS TABLE

Item	Test parameters	Design parameters	Test method
color	white	white	—
Curing method	moisture curing	moisture curing	—
Working temperature (° C)	-40~+90	-40~+90	—
	120 (Within 1 hour)	120 (Within 1 hour)	—
Dry time (min)	8~40	8	GB/T 13477-2002
Curing rate (mm/24h)	4~5	4	—
Density (g/cm ³)	1.40~1.60	1.4	GB/T 13477-2002
Hardness (Shore A)	35~55	55	GB/T 531-2009
Tensile strength (MPa)	≥2.5	≥2.5	GB/T 528-2009
Tensile elongation at break (%)	≥200	≥200	GB/T 528-2009
Shear strength (MPa)	≥2.0	≥2.0	GB/T7124-2008
Tear strength (N/mm)	≥8	≥8	GB/T 529-2008
Volume resistivity (Ω. cm-1)	≥1×10 ⁹	≥1×10 ⁹	GB/T 1692-2008
Storage period (month)	6	6	—

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Product Applications

- Adhesive and sealing for vehicle windshields
- Adhesive and sealant for vehicle side windows
- Adhesive and sealant for vehicle lightings

Usage Instructions

- Before using this product, operators should thoroughly read the safety information provided.
- Ensure the application surface is clean, dry, and free from dust or debris.
- Application can be carried out using either a manual or pneumatic glue gun.
- Adequate ventilation must be maintained during both application and curing.
- To achieve optimal bonding performance, conduct a bonding test before large-scale application.
- Additionally, perform regular peel tests throughout the construction process to verify bonding effectiveness.

Safety Instructions

This product is non-toxic once fully cured. However, avoid contact with the eyes before it cures. In case of eye contact, rinse immediately with plenty of water and seek medical attention. Keep uncured product out of reach of children.

Packaging

Net volume: 300 ml per unit.

Storage and Shelf Life

Store in a cool, dry place at temperatures below 27°C.

Shelf life: 6 months from the production date.