TECHNICAL DATASHEET: SAPPOLO BOND 7937

Sappolo Bond 7937 is a silicone alkyl terminated polyether, is high viscosity moisture curing sealant. As a part of the new generation of Ultra high quality adhesives Sappolo Bond 7937 combines the strength advantages of a polyurethane and the durability of a silicone. With a long operating period and high modulus Sappolo Bond 7937 has high elasticity is resistant to UV and has excellent weather resistant qualities. Free of solvents and isocyanates Sappolo Bond 7937 offers great environmental protection. Primerless.

TYPICAL USE	Bonding and sealing of glass in new vehicle production, including bus, coach and truck building. Windscreen replacement bonding in the aftermarket. Crash tested to FMVSS 212, the US federal windscreen retention standard used by vehicle manufacturers: passed 1 hour after installation in a vehicle with dual (driver and passenger) airbags (NATA-accredited test house, report 21187).

CHARACTERISTIC BEFORE CURING

	TYPICAL VALUE	RANGE
COLOR	white / Black / grey paste	
The base material chemical composition: MS Polymer		
Density (g/cm3) (GB/T13354-1992)	1.45	1.35-1.55
Tack free time (min) (23°C/50%RH)	10	10-30
Pressure flow viscosity (s/10g) (0.5MPa, 23°C, 3mm)	12	5-30

CHARACTERISTIC AFTER CURING

	TYPICAL VALUE	RANGE
Room temperature vulcanized depth (mm/24h)	4.0	3~4
Tensile strength(MPa) (GB/T528-1998)	3.0	Tensile strength(MPa) 3.0 (GB/T528-1998)
Elongation at break (%) (GB/T528-1998)	400	≥300
Harness: Shore-D (GB/T 531-1999)	55	50~60
Work temperature(°C)		-40~100
Short use temperature(°C)	120	

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INSTRUCTIONS FOR USE	Windshield Bonding
GLASS REMOVAL	Damaged glass should be removed in accordance with the vehicle manufacturer's instructions.
PREPARATION	Remove old PU from aperture leaving. All surfaces must be clean, dry, and free from all traces of dust, dirt. More detailed information on these products can be found in the individual MSDS, this information is intended as general advice only.
APPLICATION	Cartridges – Pierce the cartridge membrane Sausages – Place sausage in the application gun and cut off closure clip. The tip of the nozzle is to be snipped or trimmed and screwed onto the cartridge. If using a sausage attach the nozzle using the adaptor to the sausage. Cut the nozzle in a 'V' shape to the required height. We recommend to use a piston type application gun. To ensure a uniform thickness and height of the adhesive we recommend that you apply the product in a triangular bead form. All glass must be installed within a maximum time of ten minutes from application of adhesive. Sappolo Bond 7937 is suitable for use in a wide range of climates but the ideal environmental conditions for use is between 10-30 degrees Centigrade and 50-70 % humidity.
AFTER APPLICATION AND CLEANING	Once cured the product can only be removed mechanically.

PACKAGE	White, Grey, Black – 310ml Cartridge 10 or 30 Cartridge per box White, Grey, Black – 600ml Sausage 20 per box
SHELF LIFE & STORAGE	Shelf Life – 12 Months from Date of manufacture Store in a cool and dry place.

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