

Description

Polygrip S (TF) is Brown, fast curing toluene free synthetic rubber base adhesive. This adhesive is versatile and suitable for most of the substrates including rubber, leather, wood, rexin, canvas, and foams. This adhesive is also suitable for adhering similar and dissimilar substrates to achieve strong bonds. High coverage can be achieved if used at appropriate environmental and processing conditions.

Advantages

Mild smell
No harmful benzene

Applications

Furniture
Insulation
Mattresses
Carpet laying
Leather articles
Shoe manufacturing
Automotive interiors

Typical specifications

Property	Unit	Test method	Value
Appearance	--	--	Brown
Density at 30°C	g/ml	--	0.805 - 0.850
Viscosity at 30°C	cPs	ASTM D2196	1000 - 1500
Tack retention time ¹	Minutes	--	Max. 30

¹Tack retention time (open time) is generally measured after evaporation of solvent once adhesive applied in thin film. It may vary depending upon ambient temperature and humidity conditions.

Process of application

Surface preparation: Bonding surface must be completely clean, dry, and free from oil, grease, and foreign particles.

Application method: Apply adhesive on both the substrates with the help of brush or appropriate machine. Apply second coat (if required) after 5-10 minutes of first coat. Allow to evaporate the solvent for 5-10 minutes before bonding. Optimum bond strength can be achieved if open time is not more than 30 minutes. Open time is subjective and depends on environmental conditions such as temperature, humidity, and foreign particles in air. Immediately after bonding the substrates, apply adequate pressure on the component to achieve strong adhesion. In order to achieve optimum strength, allow components to store for at least 24 hours at ambient conditions.

Packaging

Polygrip S (TF) is available in 30 L metal container. Other packing may be considered on request.

Storage and handling

Polygrip S (TF) has a shelf life of at least one year if stored in its original container at room temperature. It must be stored in cool & dry place away from moisture, heat & direct sunlight. It contains highly volatile solvents, which will release during application, processing and use.

These volatile solvents are highly flammable, hence adhesive must not come in contact with heat, spark & necked flame. Adequate protective measures like safety goggles, hand gloves and respiratory device should be adopted while using this adhesive. Proper ventilation must be provided to shop floor where adhesive is used. Keep containers out of the reach of children. For details safety instructions, kindly refer material safety data sheet.

Safety

Wear personal protective equipment (PPE). Avoid contact with the eyes and skin. In case of direct contact and irritation, it should be washed off immediately with soap and warm water. Proper ventilation must be provided to shop floor where adhesive is used. Avoid breathing vapours, mist or gas. Please refer to the SDS for detailed safety instructions.

Spills and disposal

In case of spills, sweep up and shovel the spilled material. Keep spilled material in suitable, closed containers for disposal. Soak up with an absorbent such as clay, sand or other suitable material. Flush area with water to remove trace residue. Do not allow the product to reach the sewage system. Waste must be disposed of in accordance with federal, state or local regulations, as applicable.

Contact

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Note

Polygrip® is a registered trademark of Atul Ltd.

Manufacturing site

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