POLYGRIP® SR-100

Technical Data Sheet | Polymers Business

Description

Polygrip SR-100 is a pale-yellow coloured synthetic rubber based contact adhesive. This product is designed to provide long open time, excellent tack and light colour. It is recommended for bonding various substrates like EVA, foam, leather and canvas for single side applications in footwear industries.

Advantages

Brushable
Low colour
Long open time
No harmful benzene
Single side application
Excellent tack and tack retention time

Applications

Footwear
Handicraft
Leather belts
Luggage
Purse and wallet

Typical specifications

Properties	Unit	Test method	Values
Appearance	-	Visual	Pale-yellow
Density at 30°C	g/ml	-	0.83 - 0.88
Viscosity at 30°C	c Ps	ASTM D2196	1,800 - 2,200
Tack retention time[1]	Hours	-	Max 12

[1]Tack 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 humid conditions.

Process of application

Surface preparation: Ensure that substrates to be bonded are clean, dry and free from oil, grease and foreign particles such as dust and rust.

Application method: Stir adhesive well and make it homogeneous prior to use. Apply adhesive uniformly in thin layer on both the substrates to be bonded with brush, spatula or any suitable tool. Allow evaporation of solvents from adhesive layer to develop tack. The evaporation of solvent may take 2 minutes to 3 minutes, which depends upon ambient temperature and humidity. Assemble both the substrates with uniform contact pressure to achieve intimate contact without air pockets. The optimum bond strength is achieved after 24 hours.

Packaging

Polygrip SR-100 is available in 5 L and 30 L MS drums. Other packing may be considered on request.

Storage and handling

Polygrip SR-100 should be stored in cool and dry place away from moisture, heat and 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 and necked flame. This product has a shelf-life of 1 year if stored in its original container between 2°C and 40°C away from humidity and excessive heat. Please refer to the Safety Data Sheet (SDS) for detailed instructions on storage and handling.

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

E-mail: support_polymers@atul.co.in
Website: www.atul.co.in

Note

Polygrip® is a registered trademark of Atul Ltd.

Manufacturing site
Atul 396 020, Gujarat, India
Telephone: (+91 2632) 230000 | 233261
E-mail: contact@atul.co.in