

**Description** Polygrip PS-7 is a golden-yellow coloured rubber based pressure sensitive adhesive. It has its own advantage such as high green tack, water proof coating, can be designed to have high temperature resistance up to 150°C and economical.

**Advantages** High temperature resistance  
Long tack retention time  
Mild smell  
No harmful benzene

**Applications** Cello tape  
Cloth tape  
Insulating tape  
Polyester tape  
PVC tape

Typical specifications	Properties	Unit	Test method	Values
	Appearance	-	Visual	Golden-yellow
	Density at 30°C	g/ml	-	0.78 - 0.84
	Viscosity at 30°C	c Ps	ASTM D2196	3,000 - 5,000
	Tack retention time <sup>1</sup>	Hours	-	Min 24

<sup>1</sup>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

**Primer coating:** Primer coating is required to accept PSA on any film, paper or cloth. Blend Polygrip NR with 5% of Polygrip HR as a primer. (Polygrip NR 100 parts and add 5% Polygrip HR), and mix thoroughly. Apply using grauvier roller. This mixer will have pot life of 4 hours and hence mix only required quantity that are consumed within pot life. Make sure temperature in dryer hits 100°C for curing to take place. Also see that dry weight on any surface is around 0.5 to 1 GSM.

**Mass coating:** Polygrip PS-7 is coated on primer coated side to leave 25 to 35 GSM depending on requirement for product to product.

**Release coating:** Some substrate may require release coating on other side of mass coating to make it possible to have release from the roll.

**Packaging** Polygrip PS-7 is available in 30 L and 200 L MS drums. Other packing may be considered on request.

## Storage and handling

Polygrip PS-7 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](mailto:support_polymers@atul.co.in)  
Website: [www.atul.co.in](http://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](mailto:contact@atul.co.in)

Disclaimer: The information contained herein is for information purposes only. While enough care is taken in disclosing the information, users of this information are advised to cross-check the same depending upon use | application. Atul Ltd does not give any assurance or warranty or guarantee in regard to the accuracy or completeness of the information and no claim or liability will be accepted or entertained in regard thereto. Atul Ltd makes no warranty of any kind, expressed or implied, including, but not limited to, any implied warranty of merchantability or fitness for a particular purpose or performance or usage of trade.