

# POLYGRIP® NR (TF)

Technical Data Sheet | Polymers Business



**Description** Polygrip NR (TF) is a natural rubber (crape solution) base toluene free adhesive. It is recommended for temporary bonding before stitching. This adhesive is suitable for substrates like leather, foam and fabric.

**Advantages** Ease of application with good coverage  
Fast drying  
Mild smell  
No harmful benzene

**Applications** Luggage  
Small leather articles  
Temporary bonding applications in footwear

Typical specifications	Properties	Unit	Test method	Values
	Appearance	-	Visual	Whitish
	Density at 30°C	g/ml	-	0.63 - 0.72
	Viscosity at 30°C	c Ps	ASTM D2196	600 - 1,200
	Tack retention time <sup>1</sup>	Minutes	-	Max 30

<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:** Apply adhesive on both the substrates with the help of brush or appropriate machine. Apply second coat (if required) after 5 minutes to 10 minutes of first coat. Allow to evaporate the solvent for 5 minutes to 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 condition.

**Packaging** Polygrip NR (TF) is available in 30 L and 200 L MS drums. Other packing may be considered on request.

**Storage and handling** Polygrip NR (TF) 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.

# POLYGRIP® NR (TF)

Technical Data Sheet | Polymers Business



## 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.