

Scotch®

High Performance Filament Tape 8981

Product Data Sheet

Updated : July 2000
Supersedes : February 1999

Product Description

A high performance tape reinforced along its length with continuous glass yarn filaments which gives the tape very high tensile strength and excellent nick resistance.

The transparent ScotchPar™ backing provides excellent abrasion, moisture and scuff resistance. The adhesive is an aggressive packaging adhesive specifically formulated to provide balanced performance, having both high adhesion and long term holding power.

Physical Properties

Not for specification purposes

Adhesive Type	Pressure Sensitive Solvent Natural Rubber Resin
Backing	ScotchPar™ Polyester Film
Reinforcement	Glass Yarn
Total Thickness	150 micron
Colour	Transparent
Storage Conditions	Store behind present stock, in a clean dry place. Temperature of 64 - 70°F (18-21°C) & 40-50% Relative Humidity are recommended. Under correct storage conditions the tape maintains its characteristics for one year (shelf life). Rotate your stock.

Application

An extensive line of application equipment including hand held manual dispensers and semi-automatic L-Clip applicator, the 3M Matic™ S-857 is available.

Application of 8981 is most easily accomplished at room temperature. At colder temperatures, approaching 32°F (0°C), the adhesive becomes more firm.

Once applied, 8981 performs well throughout the normal temperature ranges typically encountered by packaged products in shipping and storage environments.

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Performance Characteristics Not for specification purposes	Adhesion to Steel AFERA 4001	7.6 N/10 mm
	Tensile Strength AFERA 4004	665.5 N/10mm
	Elongation at Break AFERA 4005	3 %

Features/Advantages/ Benefits	Features	Advantages	Benefits
	- Scotchpar™ Backing - Glass Reinforcement - Translucent - Adhesive Characteristics - Meets PPP-T-97E Type II Class B and CID A-A-1687B and ASTM D5330 Type II 8981 is produced in an ISO9002 certified manufacturing facility.	- Abrasion Resistant - Moisture Resistant - Good Handling - Printable by the Print Seal™ Process - High Tensile Strength - Allows printing and illustrations to be seen through the tape - High Shear Adhesion - Good Initial Adhesion - Excellent ageing	- Good protection of filaments and adhesive to provide longer package life. - Assures maximum package performance for limited outdoor use - Saves time through ease of dispensing and handling - Provides advertising, warning, and labelling capability - Less tape needed at lower cost applications where high tensile strength is one of the main requirements

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Features/Advantages/ Benefits	Features	Advantages	Benefits
			• Good display of artwork and important messages • Excellent holding under wide range of application conditions with minimum amount of tape • Holds instantly with minimum rubdown. • Boxes remain securely closed through normal warehouse time cycles.

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Values presented have been determined by standard test methods and are average values not to be used for specification purposes. Our recommendations on the use of our products are based on tests believed to be reliable but we would ask that you conduct your own tests to determine their suitability for your applications. This is because 3M cannot accept any responsibility or liability direct or consequential for loss or damage caused as a result of our recommendations.

3M

Tapes & Adhesives



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