Adhesive Transfer Tapes

F9473PC · 468MP · 467MP · 9665 · 9485PC · 950

Product Information **November 2007**

Description

3M™ Adhesive Transfer Tapes consist of a layer of acrylic adhesive coated onto a silicone paper release liner. The different formulations of adhesive lend specific properties to the different tapes and can provide adhesion to a wide variety of surfaces under most conditions. See below for description of individual tapes.

General Features

- Excellent adhesion to most surfaces
- Flexible to conform to irregular surfaces
- Hand tearable
- High tack level offers high immediate adhesion
- Easily converted by die-cutting
- Excellent durability. Resistant to most solvents, high temperatures and to UV exposure

Physical Properties/Typical Performance Characteristics*

Tape	F9473PC	468MP	467MP	9665	9485PC	950
Adhesive	100MP Acrylic	200MP Acrylic	200MP Acrylic	400 Acrylic	350 Acrylic	300 Acrylic
Liner appearance	Brown paper with green 3M VHB logo	Brown paper with green 3M 468MP	Brown paper with green 3M 467MP	Plain brown coated paper	Plain brown coated paper	Plain brown paper
Liner Thickness	0.107mm	0.107mm	0.107mm	0.165mm	0.107mm	0.094mm
Tape Colour	Clear	Clear	Clear	Clear	Clear	Clear
Adhesive Thickness	0.25mm	0.127mm	0.051mm	0.051mm	0.127mm	0.127mm
Adhesion to steel	160 N/100mm	146 N/100mm	84 N/100mm	27 N/100mm	164 N/100mm	107 N/100mm
Adhesion to Polypropylene	NR	NR	NR	NR	87 N/100mm	60 N/100mm
Temperature resistance Min/Hours Days/Weeks	260°C 149°C	204°C 149°C	204°C 149°C	121°C 82°C	232°C 149°C	121°C 82°C
UV Resistance	Excellent	Excellent	Excellent	Excellent	Excellent	Fair
Plasticiser resistance	Good	Fair	Fair	NR	Fair	Fair
Solvent Resistance	Excellent	Excellent	Excellent	Good	Very Good	Good

*Not recommended for specification purposes NR Not Recommended

Adhesion Test Method: 180° Peel Adhesion: 72 hours room temperature dwell, Peel speed 305mm/min

Tape Description/ Features	**F9473PC**	3M™ VHB™ Adhesive Transfer Tape, F9473PC has excellent long term holding power with much higher adhesion strength to metal than typical pressure sensitive adhesives. F9473PC is ideal for use in many industrial applications on high surface energy materials, to replace rivets, spot welds, liquid adhesives and other permanent fasteners.
	468MP/ 467MP	3M Adhesive Transfer Tapes 468MP and 467MP are popular choices for graphic attachment applications due to their excellent quality, consistency and durability. In addition, 468MP and 467MP exhibit excellent clarity, high temperature performance, solvent chemical and moisture resistance as well as excellent shear and peel strength on high surface energy materials that minimises edge lifting and slippage of parts. 468MP and 467MP provide some repositionability when bonding to plastic parts (not metal) which allows graphics to be lifted and repositioned if initial alignment is incorrect.
	9665	3M Adhesive Transfer Tape 9665 is ideal for bonding together a wide variety of similar and dissimilar materials such as metals, glass, wood, paints and many high surface energy plastics. 9665 is particularly suitable for bonding papers and is 'acid free' or pH neutral for long term mounting of prints and photographs
	9485PC	3M Adhesive Transfer Tape 9485PC is a fibre reinforced adhesive which is ideal for very high bond strength to most surfaces. 9485PC can withstand high temperatures and is a good choice for applications requiring adhesion to both high and low surface energy plastics, paints and powder coatings and slightly oily metals.
	950	3M Adhesive Transfer Tape 950 is a medium firm pressure sensitive adhesive that has very high initial adhesion and good shear holding power. 950 bonds to a wide variety of surfaces including 'difficult to stick to' low surface energy plastics like polyethylene and polypropylene.
Format	Available in 12.7mm, 19mm, 25.4mm, 38mm, 50.8mm and 305mm x 55m rolls Custom width rolls are available upon request	
Application Technique	• Apply between 10˚C and 40˚C. • Ensure surfaces to be bonded are clean, dry and well unified. • Firm application pressure helps develop better adhesive contact and improves bond strength. • Converters of wide webs should refer to the Technical Bulletin "Lamination Techniques for converters of Laminating Adhesives"	
Application Ideas	• Lamination of foams, fabrics and papers • Web splicing for paper and corrugated board • Attaching lightweight signs, nameplates and plaques • Production of promotional signage or sample boards • Graphics attachment • Mounting prints and photographs	

Testing	Always test the suitability of the product for your application before use.
Shelf life	Store in a dry location out of direct sunlight and away from all sources of heat. Ideal conditions are 20°C and 50% relative humidity. Use within 2 years from date of manufacture.
Health and Safety Information	This product is an "article" and does not require a Material Safety Data Sheet. However MSDSs have been produced for most articles and may be accessed by going to www.3M.com/msds and entering the product number or 3M stock number. Alternatively, contact 3M Customer Services.
Further information	Further information is available at www.3M.com or by contacting 3M Customer Services on Free Phone 0800 474 787 or Free Fax 0800 508 980.
Note	**The user is responsible for determining whether the 3M product, surface preparation, and method of assembly are suitable for their particular purpose. Failure to determine the suitability of all factors involved in the application may result in bond failure.**

3M

3M New Zealand Ltd
Industrial Adhesives &Tapes

PO Box 33-246 Takapuna 1332
Phone: 0800 474 787
Fax: 0800 508 980
Email: 3mnzib1@mmm.com
www.3M.com/industrial