9078 Double Coated Thin Bonding Tape

Product Data Sheet

Updated : May 2007
Supersedes : April 2005

Product Description

This tape combines a very high level of adhesive peel and shear performance.

The adhesive system used provides good adhesion to both high and low surface energy substrates. The excellent initial tack ensures that a bond of good integrity is achieved soon after application.

Physical Properties Not for specification purposes	9078	9078B	9078F	9078BF
Adhesive Type	Modified Acrylic			
Thickness (not including liner)	70µm			
Carrier	12µm PET			
Liner	Printed 90 gsm paper	Printed 90 gsm paper	Clear 50 Micron PET	Clear 50 Micron PET
Tape Colour	Clear	Black	Clear	Black
Shelf Life	24 months from date of manufacture when stored in the original carton at 21°C (70°F) & 50 % Relative Humidity			

Performance Characteristics Not for specification purposes		078	9078B	9078F	9078BF
Peel Adhesion to Stainless Steel (180° Peel at 300mm/min)	24 hr dwell	10.8 N/cm			
Temperature	Continuous Short Term (hours / days)	93°C 150°C			
Solvent Resistance		Good			
UV Resistance		Very Good			
Plasticiser Resistance*		Good			

Additional Product Information	For maximum bond strength the surfaces should be thoroughly cleaned ideally with 3M VHB™ Surface Cleaner. Consult manufacturers directions for use and precautions when using cleaning solvents. Ideal tape application is accomplished when temperature is between 21°C and 38°C (70°F and 100°F) and the bond is allowed to dwell 72 hours. Initial tape application to surfaces at temperatures below 15°C (59°F) is not recommended. Firm application pressure needs to be applied to the whole bond area ideally using a roller or similar tool.
*Plasticiser	All products show good resistance to plasticiser migration. However, due to the wide range of plasticisers available we strongly suggest that an evaluation is conducted prior to use to ensure compatibility. 10 days at 50°C will usually accelerate any potential problems. Plasticisers are typically found in materials such as PVCs and some rubbers.

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.

Industrial Adhesives & Tapes Division

3M United Kingdom PLC
3M House,
28 Great Jackson Street,
Manchester,
M15 4PA

Product Information :

Tel 0870 60 800 50
Fax 0870 60 700 99

3M Ireland
3M House, Adelphi Centre,
Upper Georges Street,
Dun Laoghaire,Co. Dublin,
Ireland

Customer Service :

Tel (01) 280 3555
Fax (01) 280 3509