9080 - High Performance Non-woven Double Coated Tape

Product Data Sheet

Supersedes: New

Product Description

9080 is a double coated acrylic adhesive on a non-woven tissue carrier. It has a very high level of initial tack and good adhesion to a wide variety of sufaces including LSE materials.

Physical Properties
Not for specification purposes

Adhesive Type	Acrylic	
Carrier	Non-woven tissue	
Thickness (ASTM D-3652) Tape Liner Total	 0.160 mm (160µm) 0.160 mm (160 µm) 0.320 mm (320µm)	
Release Liner	White polycoated paper with 3M logo	
Tape Colour	White	
Shelf Life	12 months from date of despatch by 3M when stored in the original carton at 21°C (70°F) & 50 % Relative Humidity	

Performance Characteristics
Not for specification purposes

Adhesion to Stainless Steel ASTM D 3330	7.5 N/cm	
Static Shear Resistance **ASTM D 3654**	500g , 6.4cm^2 gives 10,000 min+; @ R.T.	
Temperature Performance Max : Minutes / Hours Max : Days / Weeks Minimum	 120°C 90°C -30°C	
Solvent Resistance	Good	

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Application Techniques	1. Bond strength is dependent upon the amount of adhesive-to-surface contact developed. Firm application pressure develops better adhesive contact & thus improves bond strength.	2. To obtain optimum adhesion, the bonding surfaces must be clean dry and well unified. A typical surface cleaning solvent is isopropyl alcohol & water. Use proper safety precautions for handling solvents.	3. Ideal tape application temperature range is 21°C to 38°C (70°F to 100°F). Initial tape application to surfaces at temperatures below 10°C (50°F) is not recommended because the adhesive becomes too firm to adhere readily. However once properly applied low temperature holding is generally satisfactory.
Applications	9080 is well suited to bonding together a wide variety of similar and dissimilar materials such as wood, metals, glass, papers, paints, and many plastics and fabrics.	It shows a high level of adhesion to LSE materials such as Polypropylene and some Polyethylenes as well as coated papers and varnishes.	

Tapes & Adhesives

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