

Technical data sheet



Product: 9080

Manufacturer: 3M DEUTSCHLAND GMBH

Product group: KLEBEBAND

Article group: DOPPELSEITIG

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9080HL DOUBLE COATED SPLICING TAPE

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9080HL Double Coated Splicing Tape

Temporary Product Data Sheet

Updated : May 2000
Supersedes : New

Product Description 9080HL is a Double Coated Non-woven Tape with Polycoated Paper Liner.

Physical Properties
Not for specification purposes

Adhesive Type	Cross linked, Tackified Acrylic Adhesive
Carrier Type	Non-woven
Thickness (ASTM D-3652) Tape Release Liner	0.160 mm 0.160 mm
Normal Tolerance	15 %
Release Liner	Polycoated Paper Liner – 3M Logo Printed
Tape Colour	White
Shelf Life	12 months from date of manufacture by 3M when stored in the original carton at room temperature & 50 % Relative Humidity

Performance Characteristics
Not for specification purposes

Peel Strength (ASTM-D3330) 180° Peel Adhesion; Room Temperature 72 hour ageing, Jaw Speed : 305 mm/min; with A1 Strip.	7.5 N/10mm.
Static Shear (ASTM-D3654) 500 grams loading on stainless steel 6.45 cm ² overlap at room temperature.	10,000 min
Liner Release 1 inch (25.4mm) width Jaw Speed : 12 inches/min (305mm / min)	Max. 50 grams
Hot Splicing (BTM 220) 1Kg/sq.in (1.25Kg/30mm x 25mm test area), overlap shear, held for 60 seconds	In excess of 170°C (test program on-going)
Bonding strength	Delaminates most papers
Instant adhesion	Excellent (for flying splices)

Date : May 2000
9080HL Double Coated Splicing
Tape

Application Techniques

Bond strength is dependent upon the amount of adhesive-to-surface contact developed. Firm application pressure develops better adhesive contact & thus improves bond strength. For splicing applications, rubbing down the tape prior to removing the liner to expose the splicing adhesive will improve the splice performance. Ideal tape application temperature range is 21°C to 38°C. Initial tape application to surfaces at temperatures below 10°C is not recommended because the adhesive may become too firm to adhere readily. However, once properly applied, low temperature holding is generally satisfactory.

Applications

9080HL tape is specially formulated for low- and high-speed splicing applications, followed if required by heat-setting or other oven-based processing conditions. The tape makes an excellent bond to paper and board, and many plastic film substrates including Polyethylene, Polypropylene and PVC.

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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.



Tapes & Adhesives

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