

3M 853 Polyester Tape

Category : Polymer , Tape

Material Notes:

3M™ Polyester Tape 853 is comprised of strong, thin polyester backing with high shear, solvent resistant acrylic adhesive. These qualities make this tape ideal for applications where solvent exposure is a concern. It produces a reliable bond to a wide variety of substrates. The overall thinness this tape makes it ideal for splicing. Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-853-Polyester-Tape.php

Physical Properties	Metric	English	Comments
Water Vapor Transmission	15.5 g/m ² /day	0.998 g/100 in ² /day	ASTM D3833
Thickness	27.9 microns	1.10 mil	Backing; ASTM D3752
	55.9 microns	2.20 mil	Total; ASTM D3752

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	72.3 MPa	10500 psi	ASTM D3759
Elongation at Break	83 %	83 %	ASTM D3759
Peel Strength	0.5040 kN/m	2.875 pli	Adhesion to Steel; ASTM D3330

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	150 °C	302 °F	
Minimum Service Temperature, Air	50.0 °C	122 °F	

Descriptive Properties	Value	Comments
Adhesive Type	Acrylic	
Appearance	Transparent	

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