

3M 93015LE High Strength Double Coated Tape with Adhesive 300LSE

Category : Polymer , Adhesive

Material Notes:

3M™ Double Coated Tapes with 3M™ Adhesive 300LSE provides high bond strength to most surfaces, including many low surface energy plastics such as polypropylene and powder coated paints. The acrylic adhesive also provides excellent adhesion to surfaces contaminated with oil typically used with machine parts. Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-93015LE-High-Strength-Double-Coated-Tape-with-Adhesive-300LSE.php

Physical Properties	Metric	English	Comments
Thickness	12.7 microns	0.500 mil	Carrier
	68.6 microns	2.70 mil	Faceside Adhesive
	68.6 microns	2.70 mil	Backside Adhesive
	107 microns	4.20 mil	Caliper
	150 microns	5.90 mil	Total Thickness

Mechanical Properties	Metric	English	Comments
Peel Strength	0.93128 kN/m	5.3125 pli	ABS, 180° peel, 2 mil Al foil backing, 15 min dwell @ RT; ASTM D3330
	1.10 kN/m	6.25 pli	Stainless Steel, 180° peel, 2 mil Al foil backing, 15 min dwell @ RT; ASTM D3330
	1.1504 kN/m	6.5625 pli	PP, 180° peel, 2 mil Al foil backing, 15 min dwell @ RT; ASTM D3330
	1.3695 kN/m	7.8125 pli	ABS, 180° peel, 2 mil Al foil backing, 72 hr dwell @ RT; ASTM D3330
	1.380 kN/m	7.875 pli	Stainless Steel, 180° peel, 2 mil Al foil backing, 72 hr dwell @ RT; ASTM D3330
	1.424 kN/m	8.125 pli	PC, 180° peel, 2 mil Al foil backing, 15 min dwell @ RT; ASTM D3330
	1.4791 kN/m	8.4375 pli	PP, 180° peel, 2 mil Al foil backing, 72 hr dwell @ RT; ASTM D3330
	1.808 kN/m	10.31 pli	PC, 180° peel, 2 mil Al foil backing, 72 hr dwell @ RT; ASTM D3330

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	121 °C	250 °F	Long term

Thermal Properties	149 °C Metric	300 °F English	Short term Comments
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Electrical Properties	Metric	English	Comments
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Dielectric Strength	47.2 kV/mm	1200 kV/in	
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Dielectric Breakdown	6900 V	6900 V	
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Processing Properties	Metric	English	Comments
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Shelf Life	24.0 Month	24.0 Month	
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Descriptive Properties	Value	Comments
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Adhesive Type	300LSE	
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