

3M 93020LE 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-93020LE-High-Strength-Double-Coated-Tape-with-Adhesive-300LSE.php

Physical Properties	Metric	English	Comments
Thickness	12.7 microns	0.500 mil	Carrier
	94.0 microns	3.70 mil	Faceside Adhesive
	94.0 microns	3.70 mil	Backside Adhesive
	107 microns	4.20 mil	Caliper
	201 microns	7.90 mil	Total Thickness

Mechanical Properties	Metric	English	Comments
Peel Strength	1.5887 kN/m	9.0625 pli	ABS, 180° peel, 2 mil Al foil backing, 15 min dwell @ RT; ASTM D3330
	1.6982 kN/m	9.6875 pli	Stainless Steel, 180° peel, 2 mil Al foil backing, 15 min dwell @ RT; ASTM D3330
	1.6982 kN/m	9.6875 pli	PP, 180° peel, 2 mil Al foil backing, 15 min dwell @ RT; ASTM D3330
	1.6982 kN/m	9.6875 pli	ABS, 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, 15 min dwell @ RT; ASTM D3330
	1.8626 kN/m	10.625 pli	Stainless Steel, 180° peel, 2 mil Al foil backing, 72 hr dwell @ RT; ASTM D3330
	1.917 kN/m	10.94 pli	PP, 180° peel, 2 mil Al foil backing, 72 hr dwell @ RT; ASTM D3330
	1.972 kN/m	11.25 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
Dielectric Strength	35.4 kV/mm	900 kV/in	
Dielectric Breakdown	7500 V	7500 V	

Processing Properties	Metric	English	Comments
Shelf Life	24.0 Month	24.0 Month	

Descriptive Properties	Value	Comments
Adhesive Type	300LSE	

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