

3M 93010LE 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-93010LE-High-Strength-Double-Coated-Tape-with-Adhesive-300LSE.php

Physical Properties	Metric	English	Comments
Thickness	12.7 microns	0.500 mil	Carrier
	43.2 microns	1.70 mil	Faceside Adhesive
	43.2 microns	1.70 mil	Backside Adhesive
	99.1 microns	3.90 mil	Total Thickness
	107 microns	4.20 mil	Caliper

Mechanical Properties	Metric	English	Comments
Peel Strength	0.877 kN/m	5.00 pli	ABS, 180° peel, 2 mil Al foil backing, 15 min dwell @ RT; ASTM D3330
	0.93128 kN/m	5.3125 pli	Stainless Steel, 180° peel, 2 mil Al foil backing, 15 min dwell @ RT; ASTM D3330
	1.0408 kN/m	5.9375 pli	PP, 180° peel, 2 mil Al foil backing, 15 min dwell @ RT; ASTM D3330
	1.205 kN/m	6.875 pli	PC, 180° peel, 2 mil Al foil backing, 15 min dwell @ RT; ASTM D3330
	1.205 kN/m	6.875 pli	Stainless Steel, 180° peel, 2 mil Al foil backing, 72 hr dwell @ RT; ASTM D3330
	1.205 kN/m	6.875 pli	ABS, 180° peel, 2 mil Al foil backing, 72 hr dwell @ RT; ASTM D3330
	1.205 kN/m	6.875 pli	PP, 180° peel, 2 mil Al foil backing, 72 hr dwell @ RT; ASTM D3330
	1.53 kN/m	8.75 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	55.1 kV/mm	1400 kV/in	
Dielectric Breakdown	5600 V	5600 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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