

3M 9458 Adhesive Transfer Tapes with Adhesive 300

Category : Polymer , Adhesive

Material Notes:

3M™ Adhesive Transfer Tapes with 3M™ Adhesive 300 offer excellent adhesion to a wide variety of surfaces, including low surface energy plastics and foam. This pressure sensitive acrylic adhesive family is available in several thicknesses for a wide variety of surface bonding and provides a variety of liner configurations to help ensure excellent process flexibility. Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-9458-Adhesive-Transfer-Tapes-with-Adhesive-300.php

Physical Properties	Metric	English	Comments
Thickness	25.4 microns	1.00 mil	Adhesive
	81.3 microns	3.20 mil	Liner

Mechanical Properties	Metric	English	Comments
Peel Strength	0.153 kN/m	0.875 pli	Polycarbonate, 90° peel, 12"/min, 2 mil aluminum, 72 hr at 70°C; ASTM D3330
	0.3725 kN/m	2.125 pli	Polypropylene, 90° peel, 12"/min, 2 mil aluminum, 72 hr at 70°C; ASTM D3330
	0.40538 kN/m	2.3125 pli	Polypropylene, 90° peel, 12"/min, 2 mil aluminum, 72 hr RT; ASTM D3330
	0.47112 kN/m	2.6875 pli	Polycarbonate, 90° peel, 12"/min, 2 mil aluminum, 72 hr RT; ASTM D3330
	0.51494 kN/m	2.9375 pli	Stainless Steel, 90° peel, 12"/min, 2 mil aluminum, 72 hr RT; ASTM D3330
	0.5478 kN/m	3.125 pli	Stainless Steel, 90° peel, 12"/min, 2 mil aluminum, 72 hr at 70°C; ASTM D3330

Thermal Properties	Metric	English	Comments
CTE, linear	58.0 $\mu\text{m}/\text{m}\cdot^{\circ}\text{C}$	32.2 $\mu\text{in}/\text{in}\cdot^{\circ}\text{F}$	Second heat; ASTM-D696
	20.0 $\mu\text{m}/\text{m}\cdot^{\circ}\text{C}$ @Thickness 0.0508 mm	11.1 $\mu\text{in}/\text{in}\cdot^{\circ}\text{F}$ @Thickness 0.00200 in	First heat; ASTM-D696

Electrical Properties	Metric	English	Comments
Dielectric Constant	3.21	3.21	0.040 thickness; ASTM D-150-92
	@Frequency 1000 Hz	@Frequency 1000 Hz	

Electrical Properties	Metric	English	Comments
Dielectric Strength	13.4 kV/mm	340 kV/in	500 Vdc, 100s. [60 Hz]/sec; ASTM D149-92
	@Thickness 0.0508 mm	@Thickness 0.00200 in	
Dissipation Factor	0.040	0.040	
	@Thickness 0.0508 mm	@Thickness 0.00200 in	

Processing Properties	Metric	English	Comments
Shelf Life	18.0 Month	18.0 Month	

Descriptive Properties	Value	Comments
Adhesive Type	300	

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