

Material Specification Sheet

Material Number: 18001

Description: Double Coated High Strength Acrylic Tape - Polyester Film Carrier

Applications: 18001 is a high strength acrylic adhesive with a polyester carrier. It provides excellent adhesion to a wide variety of substrates, including foams, plastics, foil, and low energy (LSE) plastics. It has good shear holding power at elevated temperatures. This product is suitable for fabricated foam parts bonded to contour surfaces, plastic nameplates and/or graphic overlays bonded to plastics.

Product Construction:

Property	Thickness	
Adhesive	0.0023" (58 µm)	Acrylic Based
Carrier	0.0005" (13 µm)	Polyester Film
Adhesive	0.002" (51 µm)	Acrylic Based
Liner	0.0062" (157 µm)	83# Polycoated Kraft Paper

Typical Physical Properties:

Property	Material	Test Method	Value
Adhesion- ASTM D3330- 90° Peel	Stainless Steel	20-minute room temperature dwell	56 oz. / in. (610 N/m)
	Stainless Steel	72 hr. dwell RT	58 oz. / in. (630 N/m)
	Stainless Steel	72 hr. dwell 158°F	86 oz. / in. (940 N/m)
	ABS	72 hr. dwell RT	58 oz. / in. (630 N/m)
	Polycarbonate	72 hr. dwell RT	66 oz. / in. (720 N/m)
	Polypropylene	72 hr. dwell RT	34 oz. / in. (350 N/m)
Service Temperature	Intermittent	N/A	-40°F to 250°F (-40°C to 121°C)
Min. Application Temp.		N/A	50°F (10°C)

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