

Material Specification Sheet

Material Number: 18475

Description: High Strength Acrylic Transfer Tape – 4 mil

Applications: 18475 is a high strength acrylic adhesive, suitable for bonding to most surfaces, including low energy plastics. It has good shear holding power at evaluated temperatures. This product is suitable for fabricated foam parts bonded to contour surfaces, plastic nameplates and/or graphic overlays bonded to low surface energy (LSE) plastics.

Product Construction:

Property	Thickness	
Adhesive	0.0040" (102 µm)	Acrylic Based
Liner	0.0072" (183 µm) or	96# White Polycoated Kraft

Typical Physical Properties:

Property	Material	Test Method	Value
Adhesion*	Stainless Steel	20 Minute Room Temperature Dwell	48 oz/in (523 N/m)
	Stainless Steel	72 Hour Dwell	87 oz/in (949 N/m)
	Stainless Steel	Ultimate Bond	138 oz/in (1505 N/m)
	Polycarbonate	72 Hour Dwell	70 oz/in (764 N/m)
	Polycarbonate	Ultimate Bond	34 oz/in (371 N/m)
	Polypropylene	72 Hour Dwell	44 oz/in (480 N/m)
	Polypropylene	Ultimate Bond	40 oz/in (436 N/m)
Service Temperature	Continuous Intermittent	N/A	-40°F to 200°F (-40°C to 93°C) -40°F to 250°F (-40°C to 121°C)
Min. Application Temp.		N/A	50°F (10°C)

*All adhesion properties used a modified version of ASTM D-3330 as follows:

90 degree peel, 12 in / min. (305 mm/min.)

2 mil (0.051 mm) aluminum foil

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