

TECHNICAL DATASHEET: Acrylic Adhesive (EP)

PRODUCT DESCRIPTION

This is an acrylic pressure-sensitive adhesive-backed with a semi-bleached kraft release liner.

TECHNICAL DATA	VALUE	TEST METHOD / STANDARD
ADHESIVE TYPE	Silicone & Acrylic	
ADHESIVE SYSTEM	Permanent Adhesive	
ADHESIVE BACKING/CARRIER	Cloth	
COLOR	Clear	
LINER	Semi-bleached kraft liner	
ADHESIVE THICKNESS, SILICONE SIDE	2.9 - 3.1 mils ± 0.2	ASTM D3652 (MODIFIED FOR USE WITH NON-TAPE PRODUCT)
ADHESIVE THICKNESS, ACRYLIC SIDE	1.9 - 2.1 mils ± 0.2	ASTM D3652 (MODIFIED FOR USE WITH NON-TAPE PRODUCT)
LINER THICKNESS, POLYESTER	2 mils ± 10	ASTM D3652 (MODIFIED FOR USE WITH NON-TAPE PRODUCT)
LINER THICKNESS, KRAFT	4.7 mils ± 10	ASTM D3652 (MODIFIED FOR USE WITH NON-TAPE PRODUCT)
CARRIER THICKNESS, CLOTH	3.0 mils ± 10	ASTM D3652 (MODIFIED FOR USE WITH NON-TAPE PRODUCT)
ADHESION TO STAINLESS STEEL, ACRYLIC ADHESIVE SIDE, 15 MINUTES, 180° ANGLE 12" MIN. AVERAGE (LAMINATED TO 2 MIL CLEAR POLYESTER)	50+ oz/in	ASTM D3330 (MODIFIED FOR DWELL TIME)
ADHESION TO STAINLESS STEEL, ACRYLIC ADHESIVE SIDE, 3 DAYS @ 160°F, 180° ANGLE 12" MIN. AVERAGE (LAMINATED TO 2 MIL CLEAR POLYESTER)	38+ oz/in	ASTM D3330 (MODIFIED FOR DWELL TIME)
ADHESION TO STAINLESS STEEL, ACRYLIC ADHESIVE SIDE, 3 DAYS RT, 180° ANGLE 12" MIN. AVERAGE (LAMINATED TO 2 MIL CLEAR POLYESTER)	80+ oz/in	ASTM D3330 (MODIFIED FOR DWELL TIME)
ADHESION TO ACRYLIC, ACRYLIC ADHESIVE SIDE, 3 DAYS RT, 180° ANGLE 12" MIN. AVERAGE (LAMINATED TO 2 MIL CLEAR POLYESTER)	76+ oz/in	ASTM D3330 (MODIFIED FOR DWELL TIME)
ADHESION TO GLASS, ACRYLIC ADHESIVE SIDE, 3 DAYS RT, 180° ANGLE 12" MIN. AVERAGE (LAMINATED TO 2 MIL CLEAR POLYESTER)	76+ oz/in	ASTM D3330 (MODIFIED FOR DWELL TIME)

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TECHNICAL DATA	VALUE	TEST METHOD / STANDARD
ADHESION TO POLYPROPYLENE, ACRYLIC ADHESIVE SIDE, 3 DAYS RT, 180° ANGLE 12" MIN. AVERAGE (LAMINATED TO 2 MIL CLEAR POLYESTER)	26 oz/in	ASTM D3330 (MODIFIED FOR DWELL TIME)
ADHESION TO STAINLESS STEEL, ACRYLIC ADHESIVE SIDE, 3 DAYS RT, 90° ANGLE 12" MIN. AVERAGE (LAMINATED TO 2 MIL CLEAR POLYESTER)	60 oz/in	ASTM D3330 (MODIFIED FOR DWELL TIME)
ADHESION TO STAINLESS STEEL, ACRYLIC ADHESIVE SIDE, 3 DAYS RT, 180° ANGLE 12" MIN. AVERAGE (LAMINATED TO 2 MIL ALUMINUM FOIL)	74 oz/in	ASTM D3330 (MODIFIED FOR DWELL TIME)
ADHESION TO STAINLESS STEEL, ACRYLIC ADHESIVE SIDE, 15 MINUTES, 90° ANGLE 12" MIN. AVERAGE (LAMINATED TO 2 MIL ALUMINUM FOIL)	43 oz/in	ASTM D3330 (MODIFIED FOR DWELL TIME)
ADHESION TO STAINLESS STEEL, ACRYLIC ADHESIVE SIDE, 3 DAYS @ 160°F, 90° ANGLE 12" MIN. AVERAGE (LAMINATED TO 2 MIL ALUMINUM FOIL)	60 oz/in	ASTM D3330 (MODIFIED FOR DWELL TIME)
ADHESION TO STAINLESS STEEL, ACRYLIC ADHESIVE SIDE, 3 DAYS RT, 90° ANGLE 12" MIN. AVERAGE (LAMINATED TO 2 MIL ALUMINUM FOIL)	55 oz/in	ASTM D3330 (MODIFIED FOR DWELL TIME)
ADHESION TO ACRYLIC, ACRYLIC ADHESIVE SIDE, 3 DAYS RT, 90° ANGLE 12" MIN. AVERAGE (LAMINATED TO 2 MIL ALUMINUM FOIL)	100+ oz/in	ASTM D3330 (MODIFIED FOR DWELL TIME)
ADHESION TO GLASS, ACRYLIC ADHESIVE SIDE, 3 DAYS RT, 90° ANGLE 12" MIN. AVERAGE (LAMINATED TO 2 MIL ALUMINUM FOIL)	100+ oz/in	ASTM D3330 (MODIFIED FOR DWELL TIME)
ADHESION TO POLYPROPYLENE, ACRYLIC ADHESIVE SIDE, 3 DAYS RT, 90° ANGLE 12" MIN. AVERAGE (LAMINATED TO 2 MIL ALUMINUM FOIL)	22 oz/in	ASTM D3330 (MODIFIED FOR DWELL TIME)
EXPECTED SHEAR ADHESION, ACRYLIC ADHESIVE, LAMINATED TO 2 MIL CLEAR POLYESTER, 1 HOUR DWELL (1 SQ IN, 4 LB LOAD)	5 hours	ASTM D3654 - METHOD A
EXPECTED SHEAR ADHESION, ACRYLIC ADHESIVE, LAMINATED TO 2 MIL ALUMINUM FOIL, 1 HOUR DWELL (1 SQ IN, 4 LB LOAD)	5 hours	ASTM D3654 - METHOD A
TACK, ACRYLIC ADHESIVE, LAMINATED TO 2 MIL CLEAR POLYESTER	840 gm	ASTM D2979
TACK, ACRYLIC ADHESIVE, LAMINATED TO 2 MIL ALUMINUM FOIL	820 gm	ASTM D2979
SERVICE TEMPERATURE RANGE, ACRYLIC SIDE	-40°F to 302°F	

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