

TECHNICAL DATASHEET: 2378SL Silicone/Acrylic Double Coated Adhesive

PRODUCT DESCRIPTION

Clear polyester film coated on one side with a permanent PSA silicone adhesive backed with a clear ultra smooth polyester release liner (film liner) and a second side is coated with a permanent PSA acrylic adhesive backed with a one side clay-coated semi-bleached mando release liner (paper liner).

TECHNICAL DATA	VALUE	TEST METHOD / STANDARD
ADHESIVE TYPE	Silicone & Acrylic	
ADHESIVE SYSTEM	Permanent Adhesive	
ADHESIVE SIDE	Double Sided Adhesive	
COLOR	Clear	
ADHESIVE BACKING/CARRIER	Polyester Film	
LINER	Polyester film & clay-coated paper	
ADHESIVE THICKNESS, SILICONE SIDE	3 - 3.1 mils ± 0.2	ASTM D3652 (MODIFIED FOR USE WITH NON-TAPE PRODUCT)
ADHESIVE THICKNESS, ACRYLIC SIDE	1.9 - 2.1 mils ± 0.1	ASTM D3652 (MODIFIED FOR USE WITH NON-TAPE PRODUCT)
LINER THICKNESS, FILM	2 mils ± 10	ASTM D3652 (MODIFIED FOR USE WITH NON-TAPE PRODUCT)
LINER THICKNESS, PAPER	4.7 mils ± 10	ASTM D3652 (MODIFIED FOR USE WITH NON-TAPE PRODUCT)
CARRIER THICKNESS, FILM	0.5 mils ± 10	ASTM D3652 (MODIFIED FOR USE WITH NON-TAPE PRODUCT)
ADHESION TO STAINLESS STEEL, SILICONE ADHESIVE SIDE, 15 MINUTES, 180° ANGLE 12" MIN. AVERAGE (LAMINATED TO 2 MIL CLEAR POLYESTER)	58 oz/in	ASTM D3330 (MODIFIED FOR DWELL TIME)
ADHESION TO STAINLESS STEEL, SILICONE ADHESIVE SIDE, 3 DAYS @ 160°F, 180° ANGLE 12" MIN. AVERAGE (LAMINATED TO 2 MIL CLEAR POLYESTER)	58 oz/in	ASTM D3330 (MODIFIED FOR DWELL TIME)
ADHESION TO STAINLESS STEEL, SILICONE ADHESIVE SIDE, 3 DAYS RT, 180° ANGLE 12" MIN. AVERAGE (LAMINATED TO 2 MIL CLEAR POLYESTER)	52 oz/in	ASTM D3330 (MODIFIED FOR DWELL TIME)
ADHESION TO ACRYLIC, SILICONE ADHESIVE SIDE, 3 DAYS RT, 180° ANGLE	51 oz/in	ASTM D3330 (MODIFIED FOR DWELL TIME)

Specifications are believed to be accurate at the time of publication and are subject to change without notice. It is the responsibility of the end-user to test and determine suitability of this material for a particular application. **REV. 0**

TECHNICAL DATASHEET: 2378SL Silicone/Acrylic Double Coated Adhesive

12" MIN. AVERAGE (LAMINATED TO 2 MIL CLEAR POLYESTER)		
ADHESION TO GLASS, SILICONE ADHESIVE SIDE, 3 DAYS RT, 180° ANGLE 12" MIN. AVERAGE (LAMINATED TO 2 MIL CLEAR POLYESTER)	53 oz/in	ASTM D3330 (MODIFIED FOR DWELL TIME)
ADHESION TO POLYPROPYLENE, SILICONE ADHESIVE SIDE, 3 DAYS RT, 180° ANGLE 12" MIN. AVERAGE (LAMINATED TO 2 MIL CLEAR POLYESTER)	39 oz/in	ASTM D3330 (MODIFIED FOR DWELL TIME)
ADHESION TO STAINLESS STEEL, SILICONE ADHESIVE SIDE, 3 DAYS RT, 90° ANGLE 12" MIN. AVERAGE (LAMINATED TO 2 MIL CLEAR POLYESTER)	52 oz/in	ASTM D3330 (MODIFIED FOR DWELL TIME)
ADHESION TO STAINLESS STEEL, SILICONE 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, SILICONE ADHESIVE SIDE, 15 MINUTES, 90° ANGLE 12" MIN. AVERAGE (LAMINATED TO 2 MIL ALUMINUM FOIL)	45 oz/in	ASTM D3330 (MODIFIED FOR DWELL TIME)
ADHESION TO STAINLESS STEEL, SILICONE ADHESIVE SIDE, 3 DAYS @ 160°F, 90° ANGLE 12" MIN. AVERAGE (LAMINATED TO 2 MIL ALUMINUM FOIL)	63 oz/in	ASTM D3330 (MODIFIED FOR DWELL TIME)
ADHESION TO STAINLESS STEEL, SILICONE ADHESIVE SIDE, 3 DAYS RT, 90° ANGLE 12" MIN. AVERAGE (LAMINATED TO 2 MIL ALUMINUM FOIL)	44 oz/in	ASTM D3330 (MODIFIED FOR DWELL TIME)
ADHESION TO ACRYLIC, SILICONE ADHESIVE SIDE, 3 DAYS RT, 90° ANGLE 12" MIN. AVERAGE (LAMINATED TO 2 MIL ALUMINUM FOIL)	49 oz/in	ASTM D3330 (MODIFIED FOR DWELL TIME)
ADHESION TO GLASS, SILICONE ADHESIVE SIDE, 3 DAYS RT, 90° ANGLE 12" MIN. AVERAGE (LAMINATED TO 2 MIL ALUMINUM FOIL)	49 oz/in	ASTM D3330 (MODIFIED FOR DWELL TIME)
ADHESION TO POLYPROPYLENE, SILICONE ADHESIVE SIDE, 3 DAYS RT, 90° ANGLE 12" MIN. AVERAGE (LAMINATED TO 2 MIL ALUMINUM FOIL)	31 oz/in	ASTM D3330 (MODIFIED FOR DWELL TIME)

Specifications are believed to be accurate at the time of publication and are subject to change without notice. It is the responsibility of the end-user to test and determine suitability of this material for a particular application. **REV. 0**

TECHNICAL DATASHEET: 2378SL Silicone/Acrylic Double Coated Adhesive

ADHESION TO STAINLESS STEEL, ACRYLIC ADHESIVE SIDE, 15 MINUTES, 180° ANGLE 12" MIN. AVERAGE (LAMINATED TO 2 MIL CLEAR POLYESTER)	64 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)	219 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)	174 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)	188 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)	214 oz/in	ASTM D3330 (MODIFIED FOR DWELL TIME)
ADHESION TO POLYPROPYLENE, ACRYLIC ADHESIVE SIDE, 3 DAYS RT, 180° ANGLE 12" MIN. AVERAGE (LAMINATED TO 2 MIL CLEAR POLYESTER)	15 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)	58 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)	244 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)	55 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)	183 oz/in	ASTM D3330 (MODIFIED FOR DWELL TIME)

Specifications are believed to be accurate at the time of publication and are subject to change without notice. It is the responsibility of the end-user to test and determine suitability of this material for a particular application. **REV. 0**

TECHNICAL DATASHEET: 2378SL Silicone/Acrylic Double Coated Adhesive

ADHESION TO STAINLESS STEEL, ACRYLIC ADHESIVE SIDE, 3 DAYS RT, 90° ANGLE 12" MIN. AVERAGE (LAMINATED TO 2 MIL ALUMINUM FOIL)	115 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)	96 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)	104 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)	26 oz/in	ASTM D3330 (MODIFIED FOR DWELL TIME)
EXPECTED SHEAR ADHESION, SILICONE 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, SILICONE ADHESIVE, LAMINATED TO 2 MIL ALUMINUM FOIL, 1 HOUR DWELL (1 SQ IN, 4 LB LOAD)	5 hours	ASTM D3654 - METHOD A
EXPECTED SHEAR ADHESION, ACRYLIC ADHESIVE, LAMINATED TO 2 MIL CLEAR POLYESTER, 1 HOUR DWELL (1 SQ IN, 4 LB LOAD)	25 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)	20 hours	ASTM D3654 - METHOD A
TACK, SILICONE ADHESIVE, LAMINATED TO 2 MIL CLEAR POLYESTER	780 gm	ASTM D2979
TACK, SILICONE ADHESIVE, LAMINATED TO 2 MIL ALUMINUM FOIL	780 gm	ASTM D2979
TACK, ACRYLIC ADHESIVE, LAMINATED TO 2 MIL CLEAR POLYESTER	1,020 gm	ASTM D2979
TACK, ACRYLIC ADHESIVE, LAMINATED TO 2 MIL ALUMINUM FOIL	1,120 gm	ASTM D2979
SERVICE TEMPERATURE	-40°F to 302°F	
MINIMUM APPLICATION TEMPERATURE	50°F	

Specifications are believed to be accurate at the time of publication and are subject to change without notice. It is the responsibility of the end-user to test and determine suitability of this material for a particular application. **REV. 0**

TECHNICAL DATASHEET:
2378SL Silicone/Acrylic Double Coated Adhesive

SHELF LIFE/STORAGE	
SHELF LIFE	One year stored at 70°F and 50% RH
EXPECTED EXTERIOR LIFE	Depends on substrates, both adhesives are suitable for outdoor use

Specifications are believed to be accurate at the time of publication and are subject to change without notice. It is the responsibility of the end-user to test and determine suitability of this material for a particular application. **REV. 0**