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3M™ Adhesive Transfer Tape 9775WL

Product Description

3M™ Adhesive Transfer Tape 9775WL with 3M™ Adhesive 300MP is suitable for bonding to most surfaces. The acrylic adhesive provides an excellent bond to various fabricated foams, fabrics, substrates, and has good shear strength at elevated temperatures. This tape also meets the highly variable needs of most gasket fabricators.



Technical Information Note

The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

Typical Physical Properties

| Property | Values | |
|--------------------|----------------------------|-------|
| Adhesive Type | 300MP Acrylic Adhesive | |
| Adhesive Thickness | 0.127 mm | 5 mil |
| Liner | 96# Polycoated Kraft Paper | |
| Liner Thickness | 0.18 mm | 7 mil |
| Liner Color | White | |

Typical Performance Characteristics

| Property | Values | | Test Condition | Method | Dwell/Cure Time | Notes |
|--|------------|--------|--|------------|-----------------|-----------------|
| Relative High Temperature Operating Ranges | 121 °C | 250 °F | Short Term (minutes, hours) | | | |
| Static Shear | 10,000 min | | 1000 g @ Room Temperature | ASTM D3654 | 60 min | 1" x 1" Overlap |
| Static Shear | 10,000 min | | 250 g @ 70°C (158°F) high temperature shears | ASTM D3654 | 60 min | 1" x 1" Overlap |

| 90° Peel Adhesion | | Dwell/Cure Time | Substrate |
|-------------------|-----------|----------------------------|--------------------|
| 9.8 N/cm | 88 oz/in | 72 hr @ Room Temperature | Stainless Steel |
| 19.7 N/cm | 177 oz/in | 72 hr @ 158°F(70°C) | Stainless Steel |
| 12.2 N/cm | 110 oz/in | 72 hr @100°F(38°C)/100% RH | Stainless Steel |
| 5.1 N/cm | 46 oz/in | 15 min @ Room Temperature | Polypropylene (PP) |
| 4.9 N/cm | 44 oz/in | 72 hr @ Room Temperature | Polypropylene (PP) |
| 7.2 N/cm | 65 oz/in | 72 hr @ 158°F(70°C) | Polypropylene (PP) |
| 8 N/cm | 72 oz/in | 15 min @ Room Temperature | ABS |
| 5.4 N/cm | 49 oz/in | 72 hr @ Room Temperature | ABS |

Table continued on next page

Typical Performance Characteristics (continued)

| 90° Peel Adhesion | | Dwell/Cure Time | Substrate |
|-------------------|----------|---------------------|-----------|
| 6.1 N/cm | 55 oz/in | 72 hr @ 158°F(70°C) | ABS |

Property: 90° Peel Adhesion
Method: ASTM D3330
Backing: 2 mil Aluminum Foil
notes: 12 in/min (300 mm/min)

Typical Environmental Performance

| Property | Values |
|---------------------|--|
| Humidity Resistance | No adverse effect on the bond after exposure to 100% relative humidity at 100°F (38°C) |
| U.V. Resistance | Adhesive is resistant to oxidation and ozone when exposed to air or ultraviolet light. |

Storage and Shelf Life

Store in the original packaging at room temperature conditions of 72°F (22°C) and 50% relative humidity. Keep out of direct sunlight. Product retains its performance properties for 24 months from date of manufacture.

Trademarks

3M is a trademark of 3M Company.

References**Safety Data Sheet (SDS)**

https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&msdsLocale=en_US&co=ptn&q=9775WL

Family Group

| | 9772WL | 9773WL | 9774WL | 9775WL |
|--|----------------------------|----------------------------|----------------------------|----------------------------|
| Relative High Temperature Operating Ranges (°C) Test Condition: Short Term (minutes, hours) | 121 | 121 | 121 | 121 |
| Adhesive Type | 300MP Acrylic Adhesive | 300MP Acrylic Adhesive | 300MP Acrylic Adhesive | 300MP Acrylic Adhesive |
| Adhesive Thickness (mm) | 0.051 | 0.076 | 0.102 | 0.127 |
| Liner | 96# Polycoated Kraft Paper | 96# Polycoated Kraft Paper | 96# Polycoated Kraft Paper | 96# Polycoated Kraft Paper |
| Liner Thickness (mm) | 0.18 | 0.18 | 0.18 | 0.18 |
| Liner Color | White | White | White | White |

ISO Statement

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001 standards.

Technical Information

The technical information, recommendations and other statements contained in this document are based upon tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed.

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