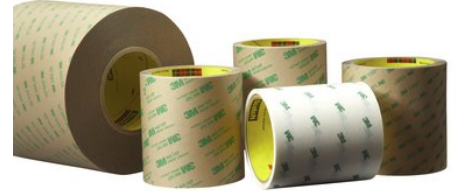


August, 2016

## 3M™ Adhesive Transfer Tape 6038PL

### Product Description

3M™ Acrylic Adhesive Transfer Tape 6038PL is a 8 mil transfer tape formulated for low fog characteristics. The 300MP adhesive is suitable for bonding to most substrates including foams, fabrics and substrates with rough or textured surfaces.



**General Information**

- 3M 6038PL meets automotive OEM fogging specifications
- Provides excellent bond to a wide variety of surfaces.
- High initial tack for quick and easy assembly line application.
- High temperature resistance to withstand environmental conditions normally associated with automotive interiors.

**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	0.203 mm	8 mil
Liner	83# Polycoated Kraft Paper	
Liner Thickness	0.157 mm	6.2 mil

**Typical Performance Characteristics**

Property	Values		Test Condition
Relative High Temperature Operating Ranges	121 °C	250 °F	Short Term (minutes, hours)
Flammability Test	Pass FMVSS 302/SAE J369		
Automotive Fogging Test	99		SAE J1756 @ 100°C

Environmental Performance (90° Peel)		Environmental Condition
13.9 N/cm	127 oz/in	Unleaded Gas at 1 Hour Room Temperature
10.2 N/cm	93 oz/in	MEK at 1 Hour Room Temperature
15.2 N/cm	139 oz/in	Weak Acid (pH 4) at 4 Hours Room Temperature
14.5 N/cm	132 oz/in	Weak Base (pH 10) at 4 Hours Room Temperature
19.6 N/cm	179 oz/in	Oil (10W30) at 72 Hours 120°F(49°C)
15.2 N/cm	139 oz/in	Water – 100 hours, Room Temperature
23.5 N/cm	215 oz/in	7 Days at 90°F(32°C) and 90% Relative Humidity
24.1 N/cm	200 oz/in	Temperature Cycling: 4 Hours at 158°F (70°C) 4 Hours at -20°F (-29°C) 16 Hours at Room Temperature Repeat three times

Table continued on next page

**Typical Performance Characteristics (continued)**

Environmental Performance (90° Peel)		Environmental Condition
22.2 N/cm	203 oz/in	Sodium Chloride Solution (5%) - 72 hrs. @ R.T
24.1 N/cm	220 oz/in	Ultraviolet Light - 30 days exposure

Property: Environmental Performance (90° Peel)

Dwell/Cure Time: 24 hr

Substrate: Stainless Steel

Backing: Aluminum Foil

notes: 12 inches/minute (305 mm/minute)

90° Peel Adhesion		Dwell/Cure Time	Substrate
18.1 N/cm	165 oz/in	15 min @ Room Temperature	Stainless Steel
23 N/cm	210 oz/in	72 hr @ Room Temperature	Stainless Steel
27 N/cm	247 oz/in	72 hr @ 158°F(70°C)	Stainless Steel
13.7 N/cm	125 oz/in	15 min @ Room Temperature	Polycarbonate (PC)
16 N/cm	146 oz/in	72 hr @ Room Temperature	Polycarbonate (PC)
11.6 N/cm	106 oz/in	72 hr @ 158°F(70°C)	Polycarbonate (PC)
10.5 N/cm	96 oz/in	72 hr @ Room Temperature	Polypropylene (PP)
9 N/cm	82 oz/in	72 hr @ 158°F(70°C)	Polypropylene (PP)
15.7 N/cm	143 oz/in	72 hr @ Room Temperature	ABS
13.1 N/cm	120 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.
Bond Build-Up	The bond strength of the adhesive increases as a function of time and temperature.

**Storage and Shelf Life**

Product retains its performance properties for 24 months from date of manufacture if properly stored at room temperature conditions of 72°F (22°C) and 50% relative humidity.

## Information

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## Trademarks

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## 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=6038PL](https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&msdsLocale=en_US&co=ptn&q=6038PL)

## Family Group

	6035PC	6035PL	6038PC	6038PL
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)	0.127	0.127	0.203	0.203
Liner	58# Polycoated Kraft Paper	83# Polycoated Kraft Paper	58# Polycoated Kraft Paper	83# Polycoated Kraft Paper
Liner Thickness (mm)	0.107	0.157	0.107	0.157

3M™ Adhesive Transfer Tape 6038PL

## ISO Statement

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



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