

August, 2016

## 3M™ Adhesive Transfer Tape 6035PC

### Product Description

Finite Element Analysis (FEA) data is available for this product at: [3m.com/FEA](http://3m.com/FEA)

3M™ Acrylic Adhesive Transfer Tape 6035PC is a 5 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.



# 3M™ Adhesive Transfer Tape 6035PC

## General Information

- 3M 6035PC 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	0.127 mm	5 mil
Liner	58# Polycoated Kraft Paper	
Liner Thickness	0.107 mm	4.2 mil

## Typical Performance Characteristics

90° Peel Adhesion		Dwell/Cure Time	Dwell Time Units	Temp C	Temp F	Environmental Condition	Substrate	Backing	Notes
11.2 N/cm		15	min	23C	72F	50%RH	Stainless Steel	2 mil Aluminum Foil	
102 oz/in		15	min	23C	72F	50%RH	Stainless Steel	2 mil Aluminum Foil	12 in/min (300 mm/min)
9.7 N/cm		15	min	23C	72F	50%RH	Polycarbonate (PC)	2 mil Aluminum Foil	12 in/min (300 mm/min)
89 oz/in		15 min @ Room Temperature					Polycarbonate (PC)	2 mil Aluminum Foil	
14.3 N/cm	131 oz/in	72	hr	23C	72F	50%RH	Stainless Steel	2 mil Aluminum Foil	12 in/min (300 mm/min)
18.2 N/cm	166 oz/in	72	hr	70C	158F	50%RH	Stainless Steel	2 mil Aluminum Foil	12 in/min (300 mm/min)
10 N/cm	93 oz/in	72	hr	23C	72F	50%RH	ABS	2 mil Aluminum Foil	12 in/min (300 mm/min)
8 N/cm	73 oz/in	72	hr	23C	72F	50%RH	Polypropylene (PP)	2 mil Aluminum Foil	12 in/min (300 mm/min)

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90° Peel Adhesion	Weight	Dwell/Cure Time	Dwell Time Units	Temp C	Temp F	Environmental Condition	Substrate	Backing	Notes
10.5 N/cm	96 oz/in	72	hr	23C	72F	50%RH	Polycarbonate (PC)	2 mil Aluminum Foil	12 in/min (300 mm/min)
7.3 N/cm	67 oz/in	72	hr	70C	158F	50%RH	Polycarbonate (PC)	2 mil Aluminum Foil	12 in/min (300 mm/min)
6.9 N/cm	63 oz/in	72	hr	70C	158F	50%RH	Polypropylene (PP)	2 mil Aluminum Foil	12 in/min (300 mm/min)
8.5 N/cm	78 oz/in	72	hr	70C	158F	50%RH	ABS	2 mil Aluminum Foil	12 in/min (300 mm/min)

Property: 90° Peel Adhesion  
Method: ASTM D3330

Environmental Resistance	Weight	Dwell/Cure Time	Dwell Time Units	Temp C	Temp F	Environmental Condition
7.1 N/cm	65 oz/in	1	hr	23C	72F	Gasoline
4.3 N/cm	39 oz/in	1	hr	23C	72F	MEK
9.7 N/cm	89 oz/in	4	hr	23C	72F	Weak Acid (pH 4)
8.9 N/cm	81 oz/in	4	hr	23C	72F	Weak Base (pH 10)
12.4 N/cm	114 oz/in	72	hr	49C	120F	Oil 10W30
14.7 N/cm	134 oz/in	100	hr	23C	72F	Water
15.3 N/cm	140 oz/in	7	day	32C	90F	90%RH
14.7 N/cm	134 oz/in	72	hr			Temperature Cycling: 4 Hours at 158°F (70°C). 4 Hours at -20°F (-29°C). 16 Hours at Room Temperature. Repeat three times
12.4 N/cm	113 oz/in	72	hr	23C	72F	Salt Water (5%)
20.9 N/cm	191 oz/in	30	day			UV exposure

Property: Environmental Resistance  
Attribute Modifier: 90o Peel  
Substrate: Stainless Steel  
Backing: 2 mil Aluminum Foil  
notes: 12 inches/minute (300 mm/minute)

**Typical Performance Characteristics (continued)**

Property	Values		Test Condition
Relative High Temperature Operating Ranges	121 °C	250 °F	Short Term (minutes, hours)
UV Resistance	Adhesive is resistant to oxidation and ozone when exposed to air or ultraviolet light.		
Flammability Test	Pass FMVSS 302/SAE J369		
Automotive Fogging Test	99		SAE J1756 @ 100°C

**Typical Environmental Performance**

Property	Values
Humidity Resistance	No adverse effect on the bond after exposure to 100% relative humidity at 100°F (38°C)
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.

**Trademarks**

3M is a trademark of 3M Company.

**References**

Property	Values
3m.com Product Page	<a href="https://www.3m.com/3M/en_US/company-us/all-3m-products/~/3M-Adhesive-Transfer-Tape-6035PC?N=5002385+3293240982&amp;rt=rud">https://www.3m.com/3M/en_US/company-us/all-3m-products/~/3M-Adhesive-Transfer-Tape-6035PC?N=5002385+3293240982&amp;rt=rud</a>
Safety Data Sheet (SDS)	<a href="https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&amp;msdsLocale=en_US&amp;co=ptn&amp;q=6035PC">https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&amp;msdsLocale=en_US&amp;co=ptn&amp;q=6035PC</a>

# 3M™ Adhesive Transfer Tape 6035PC

## 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

## ISO Statement

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

## Information

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