

3M™ Adhesive Transfer Tape 6035PC

Last Revision Date: May, 2022



Product Description

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

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	Additional Information
Adhesive Type	#300MP Acrylic Adhesive	
Liner	58# Polycoated Kraft Paper	
Liner Thickness	0.107 mm	
Total Tape Thickness	5 mil	View
Test Method: ASTM D3652		
Total Tape Thickness	0.127 mm	View
Test Method: ASTM D3652		
Liner Print	None	

Liner Thickness 4.2 mil

Typical Performance Characteristics

Property	Values	Additional Information
90° Peel Adhesion	11.2 N/cm	View 
Test Method: ASTM D3330 Dwell/Cure Time: 15.0 Dwell Time Units: min Temp C: 23C Temp F: 72F Environmental Condition: 50%RH Substrate: Stainless Steel Backing: 2 mil Aluminum Foil		
90° Peel Adhesion	102 oz/in	View 
Test Method: ASTM D3330 Dwell/Cure Time: 15.0 Dwell Time Units: min Temp C: 23C Temp F: 72F Environmental Condition: 50%RH Substrate: Stainless Steel Backing: 2 mil Aluminum Foil Notes: 12 in/min (300 mm/min)		
90° Peel Adhesion	9.7 N/cm	View 
Test Method: ASTM D3330 Dwell/Cure Time: 15.0 Dwell Time Units: min Temp C: 23C Temp F: 72F Environmental Condition: 50%RH Substrate: Polycarbonate (PC) Backing: 2 mil Aluminum Foil Notes: 12 in/min (300 mm/min)		
90° Peel Adhesion	89 oz/in	View 
Test Method: ASTM D3330 Dwell/Cure Time: 15.0 Dwell Time Units: min Temp C: 23C Temp F: 72F Substrate: Polycarbonate (PC) Backing: Aluminum Foil		
90° Peel Adhesion	14.3 N/cm	View 
Test Method: ASTM D3330 Backing: 2 mil Aluminum Foil Notes: 12 in/min (300 mm/min)		
90° Peel Adhesion	131 oz/in	View 

Test Method: ASTM D3330

Dwell/Cure Time: 72.0
 Dwell Time Units: hr
 Temp C: 23C
 Temp F: 72F
 Environmental Condition: 50%RH
 Substrate: Stainless Steel
 Backing: 2 mil Aluminum Foil

Notes: 12 in/min (300 mm/min)

90° Peel Adhesion

18.2 N/cm

View 

Test Method: ASTM D3330

Dwell/Cure Time: 72.0
 Dwell Time Units: hr
 Temp C: 70C
 Temp F: 158F
 Environmental Condition: 50%RH
 Substrate: Stainless Steel
 Backing: 2 mil Aluminum Foil

Notes: 12 in/min (300 mm/min)

90° Peel Adhesion

166 oz/in

View 


Test Method: ASTM D3330

Dwell/Cure Time: 72.0
 Dwell Time Units: hr
 Temp C: 70C
 Temp F: 158F
 Environmental Condition: 50%RH
 Substrate: Stainless Steel
 Backing: 2 mil Aluminum Foil

Notes: 12 in/min (300 mm/min)

90° Peel Adhesion

10 N/cm

View 

Test Method: ASTM D3330

Dwell/Cure Time: 72.0
 Dwell Time Units: hr
 Temp C: 23C
 Temp F: 72F
 Environmental Condition: 50%RH
 Substrate: ABS
 Backing: 2 mil Aluminum Foil

Notes: 12 in/min (300 mm/min)

90° Peel Adhesion

93 oz/in

View 

Test Method: ASTM D3330

Dwell/Cure Time: 72.0
 Dwell Time Units: hr
 Temp C: 23C
 Temp F: 72F
 Environmental Condition: 50%RH
 Substrate: ABS
 Backing: 2 mil Aluminum Foil

Notes: 12 in/min (300 mm/min)

90° Peel Adhesion

8 N/cm

View 

Test Method: ASTM D3330

Dwell/Cure Time: 72.0

Dwell Time Units: hr
 Temp C: 23C
 Temp F: 72F
 Environmental Condition: 50%RH
 Substrate: Polypropylene (PP)
 Backing: 2 mil Aluminum Foil

Notes: 12 in/min (300 mm/min)

90° Peel Adhesion

73 oz/in

View 

Test Method: ASTM D3330

Dwell/Cure Time: 72.0
 Dwell Time Units: hr
 Temp C: 23C
 Temp F: 72F
 Environmental Condition: 50%RH
 Substrate: Polypropylene (PP)
 Backing: 2 mil Aluminum Foil

Notes: 12 in/min (300 mm/min)

90° Peel Adhesion

10.5 N/cm

View 

Test Method: ASTM D3330

Dwell/Cure Time: 72.0
 Dwell Time Units: hr
 Temp C: 23C
 Temp F: 72F
 Environmental Condition: 50%RH
 Substrate: Polycarbonate (PC)
 Backing: 2 mil Aluminum Foil

Notes: 12 in/min (300 mm/min)

90° Peel Adhesion

96 oz/in

View 

Test Method: ASTM D3330

Dwell/Cure Time: 72.0
 Dwell Time Units: hr
 Temp C: 23C
 Temp F: 72F
 Environmental Condition: 50%RH
 Substrate: Polycarbonate (PC)
 Backing: 2 mil Aluminum Foil

Notes: 12 in/min (300 mm/min)

Short Term Temperature Resistance

250 °F

Short Term Temperature Resistance

121 °C

Long Term Temperature Resistance

93 °C

Long Term Temperature Resistance

200 °F

UV Resistance

Adhesive is resistant to oxidation and ozone when exposed to air or ultraviolet light.

Environmental Resistance

7.1 N/cm

View 

Test Name: 90° Peel Adhesion
Dwell/Cure Time: 1.0
Dwell Time Units: hr
Temp C: 23C
Temp F: 72F
Environmental Condition: Gasoline
Substrate: Stainless Steel
Backing: 2 mil Aluminum Foil

Notes: 12 in/min (300 mm/min)

Environmental Resistance

65 oz/in

View 

Test Name: 90° Peel Adhesion
Dwell/Cure Time: 1.0
Dwell Time Units: hr
Temp C: 23C
Temp F: 72F
Environmental Condition: Gasoline
Substrate: Stainless Steel
Backing: 2 mil Aluminum Foil

Notes: 12 in/min (300 mm/min)

Environmental Resistance

4.3 N/cm

View 

Test Name: 90° Peel Adhesion
Dwell/Cure Time: 1.0
Dwell Time Units: hr
Temp C: 23C
Temp F: 72F
Environmental Condition: MEK
Substrate: Stainless Steel
Backing: 2 mil Aluminum Foil

Notes: 12 in/min (300 mm/min)

Environmental Resistance

39 oz/in

View 

Test Name: 90° Peel Adhesion
Dwell/Cure Time: 1.0
Dwell Time Units: hr
Temp C: 23C
Temp F: 72F
Environmental Condition: MEK
Substrate: Stainless Steel
Backing: 2 mil Aluminum Foil

Notes: 12 in/min (300 mm/min)

Environmental Resistance

9.7 N/cm

View 

Test Name: 90° Peel Adhesion
Dwell/Cure Time: 4.0
Dwell Time Units: hr
Temp C: 23C
Temp F: 72F
Environmental Condition: Weak Acid (pH 4)
Substrate: Stainless Steel
Backing: 2 mil Aluminum Foil

Notes: 12 in/min (300 mm/min)

Environmental Resistance


89 oz/in

View 

Test Name: 90° Peel Adhesion
Dwell/Cure Time: 4.0
Dwell Time Units: hr
Temp C: 23C
Temp F: 72F
Environmental Condition: Weak Acid (pH 4)


Substrate: Stainless Steel
Backing: 2 mil Aluminum Foil

Notes: 12 in/min (300 mm/min)

Environmental Resistance 8.9 N/cm View 


Test Name: 90° Peel Adhesion
Dwell/Cure Time: 4.0
Dwell Time Units: hr
Temp C: 23C
Temp F: 72F
Environmental Condition: Weak Base (pH 10)
Substrate: Stainless Steel
Backing: 2 mil Aluminum Foil

Notes: 12 in/min (300 mm/min)

Environmental Resistance 81 oz/in View 


Test Name: 90° Peel Adhesion
Dwell/Cure Time: 4.0
Dwell Time Units: hr
Temp C: 23C
Temp F: 72F
Environmental Condition: Weak Base (pH 10)
Substrate: Stainless Steel
Backing: 2 mil Aluminum Foil

Notes: 12 in/min (300 mm/min)

Environmental Resistance 12.4 N/cm View 

Test Name: 90° Peel Adhesion
Dwell/Cure Time: 72.0
Dwell Time Units: hr
Temp C: 49C
Temp F: 120F
Environmental Condition: Oil 10W30
Substrate: Stainless Steel
Backing: 2 mil Aluminum Foil

Notes: 12 in/min (300 mm/min)

Environmental Resistance 114 oz/in View 


Test Name: 90° Peel Adhesion
Dwell/Cure Time: 72.0
Dwell Time Units: hr
Temp C: 49C
Temp F: 120F
Environmental Condition: Oil 10W30
Substrate: Stainless Steel
Backing: 2 mil Aluminum Foil

Notes: 12 in/min (300 mm/min)

Environmental Resistance 14.7 N/cm View 

Test Name: 90° Peel Adhesion
Dwell/Cure Time: 100.0
Dwell Time Units: hr
Temp C: 23C
Temp F: 72F
Environmental Condition: Water
Substrate: Stainless Steel
Backing: 2 mil Aluminum Foil

Notes: 12 in/min (300 mm/min)

Environmental Resistance 134 oz/in View 

Test Name: 90° Peel Adhesion
 Dwell/Cure Time: 100.0
 Dwell Time Units: hr
 Temp C: 23C
 Temp F: 72F
 Environmental Condition: Water
 Substrate: Stainless Steel
 Backing: 2 mil Aluminum Foil

Notes: 12 in/min (300 mm/min)

Environmental Resistance

15.3 N/cm

View 

Test Name: 90° Peel Adhesion
 Dwell/Cure Time: 7.0
 Dwell Time Units: day
 Temp C: 32C
 Temp F: 90F
 Environmental Condition: 90%RH
 Substrate: Stainless Steel
 Backing: 2 mil Aluminum Foil

Notes: 12 in/min (300 mm/min)

Environmental Resistance

140 oz/in

View 

Test Name: 90° Peel Adhesion
 Dwell/Cure Time: 7.0
 Dwell Time Units: day
 Temp C: 32C
 Temp F: 90F
 Environmental Condition: 90%RH
 Substrate: Stainless Steel
 Backing: 2 mil Aluminum Foil

Notes: 12 in/min (300 mm/min)

Environmental Resistance

14.7 N/cm

View 

Test Name: 90° Peel Adhesion
 Dwell/Cure Time: 72.0
 Dwell Time Units: hr
 Environmental Condition: Temperature Cycling: 4 Hours at 158°F (70°C). 4 Hours at -20°F (-29°C). 16 Hours at Room Temperature. Repeat three times
 Substrate: Stainless Steel
 Backing: 2 mil Aluminum Foil

Notes: 12 in/min (300 mm/min)

Environmental Resistance

134 oz/in

View 

Test Name: 90° Peel Adhesion
 Dwell/Cure Time: 72.0
 Dwell Time Units: hr
 Environmental Condition: Temperature Cycling: 4 Hours at 158°F (70°C). 4 Hours at -20°F (-29°C). 16 Hours at Room Temperature. Repeat three times
 Substrate: Stainless Steel
 Backing: 2 mil Aluminum Foil

Notes: 12 in/min (300 mm/min)

Environmental Resistance

12.4 N/cm

View 

Test Name: 90° Peel Adhesion
 Dwell/Cure Time: 72.0
 Dwell Time Units: hr
 Temp C: 23C
 Temp F: 72F
 Environmental Condition: Salt water (5 wt% in water)
 Substrate: Stainless Steel
 Backing: 2 mil Aluminum Foil

Notes: 12 in/min (300 mm/min)

Environmental Resistance

113 oz/in


View 

Test Name: 90° Peel Adhesion
 Dwell/Cure Time: 72.0
 Dwell Time Units: hr
 Temp C: 23C
 Temp F: 72F
 Environmental Condition: Salt water (5 wt% in water)
 Substrate: Stainless Steel
 Backing: 2 mil Aluminum Foil

Notes: 12 in/min (300 mm/min)

Environmental Resistance

20.9 N/cm

View 

Test Name: 90° Peel Adhesion
 Dwell/Cure Time: 30.0
 Dwell Time Units: day
 Environmental Condition: UV exposure
 Substrate: Stainless Steel
 Backing: 2 mil Aluminum Foil

Notes: 12 in/min (300 mm/min)

Environmental Resistance

191 oz/in

View 

Test Name: 90° Peel Adhesion
 Dwell/Cure Time: 30.0
 Dwell Time Units: day
 Environmental Condition: UV exposure
 Substrate: Stainless Steel
 Backing: 2 mil Aluminum Foil

Notes: 12 in/min (300 mm/min)

Flammability Test

Pass FMVSS 302/SAE J369

Automotive Fogging Test

99

90° Peel Adhesion

7.3 N/cm

View 

Test Method: ASTM D3330

Dwell/Cure Time: 72.0
 Dwell Time Units: hr
 Temp C: 70C
 Temp F: 158F
 Environmental Condition: 50%RH
 Substrate: Polycarbonate (PC)
 Backing: 2 mil Aluminum Foil

Notes: 12 in/min (300 mm/min)

90° Peel Adhesion

67 oz/in

View 

Test Method: ASTM D3330

Dwell/Cure Time: 72.0
 Dwell Time Units: hr
 Temp C: 70C
 Temp F: 158F
 Environmental Condition: 50%RH
 Substrate: Polycarbonate (PC)
 Backing: 2 mil Aluminum Foil

Notes: 12 in/min (300 mm/min)

90° Peel Adhesion

6.9 N/cm

View 

Test Method: ASTM D3330

Dwell/Cure Time: 72.0

Dwell Time Units: hr

Temp C: 70C

Temp F: 158F

Environmental Condition: 50%RH

Substrate: Polypropylene (PP)

Backing: 2 mil Aluminum Foil

Notes: 12 in/min (300 mm/min)

90° Peel Adhesion

63 oz/in

View 

Test Method: ASTM D3330

Dwell/Cure Time: 72.0

Dwell Time Units: hr

Temp C: 70C

Temp F: 158F

Environmental Condition: 50%RH

Substrate: Polypropylene (PP)

Backing: 2 mil Aluminum Foil

Notes: 12 in/min (300 mm/min)

90° Peel Adhesion

8.5 N/cm

View 

Test Method: ASTM D3330

Dwell/Cure Time: 72.0

Dwell Time Units: hr

Temp C: 70C

Temp F: 158F

Environmental Condition: 50%RH

Substrate: ABS

Backing: 2 mil Aluminum Foil

Notes: 12 in/min (300 mm/min)

90° Peel Adhesion

78 oz/in

View 

Test Method: ASTM D3330

Dwell/Cure Time: 72.0

Dwell Time Units: hr

Temp C: 70C

Temp F: 158F

Environmental Condition: 50%RH

Substrate: ABS

Backing: 2 mil Aluminum Foil

Notes: 12 in/min (300 mm/min)

Typical Environmental Performance

Property	Values	Additional Information
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.

Bottom Matter

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References

Property	Values
3m.com Product Page	https://www.3m.com/3M/en_US/p/d/b40071706/
Safety Data Sheet SDS	https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&msdsLocale=en_US&co=ptn&q=6035PC

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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