



# Ford Specification WSS-M11P62

## Annual Test Data

### Technical Bulletin

The 3M IATD Quality Laboratory tested the following tapes to the Automotive Specification WSS-M11P62. The results of the testing are provided in the following information. Tapes not listed on this document have not been tested to this specification. Date on each product chart is valid one year from that date.

- 3M™ High Performance Adhesive Transfer Tape 9627
- 3M™ Adhesive Transfer Tape 9453LE
- 3M™ Double Coated Tape 9495MP
- 3M™ Adhesive Transfer Tape 9472, 950, 9672 and 969
- 3M™ Adhesive Transfer Tapes 9471LE and 9671LE
- 3M™ Fastbond™ 30NF
- 3M™ Adhesive Transfer Tape 9472LE and 9672LE
- 3M™ Double Coated Tape 9629PC
- 3M™ VHB™ Tape 5925

- 3M™ Adhesive Transfer Tape 9626
- 3M™ Double Coated Polyester Film Tape 9828
- 3M™ Adhesive Transfer Tape 468MP, 468MPF, 9185MP
- 3M™ Double Coated Tapes 9832 and 9832HL
- 3M™ Adhesive Transfer Tape 6035PC and 6035PL
- 3M™ Double Coated Tape 9490LE
- 3M™ Adhesive Transfer Tapes 6038PC, 6038PL
- 3M™ Double Coated Tape 9495LE

Approved by IATD Quality:

Jurene L. Fisher  
Test Coordinator

3M™ High Performance Adhesive Transfer Tape 9627				Test Date: September 30, 2016		
Lot Number	Substrate	Test	Test Method	Specification	As Received	
K15354	ABS Aluminum Foil	Flammability*	SAE J369	100 mm/min max	SE**	
		Fog Test*** One hour 16 hours	SAE J1756****			
				70 min	88.11	
				70 min	95.87	
					No oily deposits	Pass
					No crystals	Pass
					No film	Pass
		Odor Dry Wet	SAE J1351			
				2 rating max	1.33	
				2 rating max	1.33	

\*Samples were created with the adhesive applied to a 2 mil aluminum foil to support during the test

\*\*Self extinguishing

\*\*\*Samples were bonded between ABS and 2 mil aluminum foil and results were taken from the ABS side of the panel

\*\*\*\*For section 5.2 of SAE J1756, the dishwasher has been replaced with handwashing using Alconox™. Test washing with the closest equivalent dishwasher left water spots on the glassware. Handwashing has produced clean glassware. At this time, the difference in results cannot justify the purchase of a dedicated washing unit.

# Ford Specification WSS-M11P62–Annual Test Data

3M™ Adhesive Transfer Tapes 9472, 950, 9672, 969				Test Date: January 31, 2017	
Lot Number	Substrate	Test	Test Method	Specification	As Received
6260	ABS Aluminum Foil	Flammability*	SAE J369	100 mm/min max	SE**
		Fog Test***	SAE J1756****		
		One hour		70 min	85.27
		16 hours		70 min	94.38
				No oily deposits	Pass
				No crystals	Pass
				No film	Pass
		Odor	SAE J1351		
		Dry		2 rating max	1
		Wet		2 rating max	1

\*Samples were created with the adhesive applied to a 2 mil aluminum foil to support during the test

\*\*Self extinguishing

\*\*\*Samples were bonded between ABS and 2 mil aluminum foil and results were taken from the ABS side of the panel

\*\*\*\*For section 5.2 of SAE J1756, the dishwasher has been replaced with handwashing using Alconox™. Test washing with the closest equivalent dishwasher left water spots on the glassware. Handwashing has produced clean glassware. At this time, the difference in results cannot justify the purchase of a dedicated washing unit.

3M™ Adhesive Transfer Tapes 9472LE, 9672LE				Test Date: October 31, 2016	
Lot Number	Substrate	Test	Test Method	Specification	As Received
436359	ABS Aluminum Foil	Flammability*	SAE J369	100 mm/min max	SE**
		Fog Test***	SAE J1756****		
		One hour		70 min	92.85
		16 hours		70 min	96.98
				No oily deposits	Pass
				No crystals	Pass
				No film	Pass
		Odor	SAE J1351		
		Dry		2 rating max	1.33
		Wet		2 rating max	1

\*Samples were created with the adhesive applied to a 2 mil aluminum foil to support during the test

\*\*Self extinguishing

\*\*\*Samples were bonded between ABS and 2 mil aluminum foil and results were taken from the ABS side of the panel

\*\*\*\*For section 5.2 of SAE J1756, the dishwasher has been replaced with handwashing using Alconox™. Test washing with the closest equivalent dishwasher left water spots on the glassware. Handwashing has produced clean glassware. At this time, the difference in results cannot justify the purchase of a dedicated washing unit.

# Ford Specification WSS-M11P62–Annual Test Data

3M™ Adhesive Transfer Tape 9626			Test Date: September 30, 2016		
Lot Number	Substrate	Test	Test Method	Specification	As Received
K15193	ABS Aluminum Foil	Flammability*	SAE J369	100 mm/min max	SE**
		Fog Test***	SAE J1756****		
		One hour		70 min	83.91
		16 hours		70 min	96.15
				No oily deposits	Pass
				No crystals	Pass
				No film	Pass
		Odor	SAE J1351		
		Dry		2 rating max	1
		Wet		2 rating max	1

\*Samples were created with the adhesive applied to a 2 mil aluminum foil to support during the test

\*\*Self extinguishing

\*\*\*Samples were bonded between ABS and 2 mil aluminum foil and results were taken from the ABS side of the panel

\*\*\*\*For section 5.2 of SAE J1756, the dishwasher has been replaced with handwashing using Alconox™. Test washing with the closest equivalent dishwasher left water spots on the glassware. Handwashing has produced clean glassware. At this time, the difference in results cannot justify the purchase of a dedicated washing unit.

3M™ Adhesive Transfer Tapes 468MP, 468MPF, 9185MP			Test Date: July 31, 2016		
Lot Number	Substrate	Test	Test Method	Specification	As Received
16385	ABS Aluminum Foil	Flammability*	SAE J369	100 mm/min max	SE**
		Fog Test***	SAE J1756****		
		One hour		70 min	96.48
		16 hours		70 min	98.08
				No oily deposits	Pass
				No crystals	Pass
				No film	Pass
		Odor	SAE J1351		
		Dry		2 rating max	1
		Wet		2 rating max	2

\*Samples were created with the adhesive applied to a 2 mil aluminum foil to support during the test

\*\*Self extinguishing

\*\*\*Samples were bonded between ABS and 2 mil aluminum foil and results were taken from the ABS side of the panel

\*\*\*\*For section 5.2 of SAE J1756, the dishwasher has been replaced with handwashing using Alconox™. Test washing with the closest equivalent dishwasher left water spots on the glassware. Handwashing has produced clean glassware. At this time, the difference in results cannot justify the purchase of a dedicated washing unit.

# Ford Specification WSS-M11P62–Annual Test Data

3M™ Adhesive Transfer Tapes 6035PC and 6035PL				Test Date: July 31, 2016	
Lot Number	Substrate	Test	Test Method	Specification	As Received
K15315	ABS Aluminum Foil	Flammability*	SAE J369	100 mm/min max	SE**
		Fog Test***	SAE J1756****		
		One hour		70 min	97.02
		16 hours		70 min	98.41
				No oily deposits	Pass
				No crystals	Pass
				No film	Pass
		Odor	SAE J1351		
		Dry		2 rating max	1
		Wet		2 rating max	1

\*Samples were created with the adhesive applied to a 2 mil aluminum foil to support during the test

\*\*Self extinguishing

\*\*\*Samples were bonded between ABS and 2 mil aluminum foil and results were taken from the ABS side of the panel

\*\*\*\*For section 5.2 of SAE J1756, the dishwasher has been replaced with handwashing using Alconox™. Test washing with the closest equivalent dishwasher left water spots on the glassware. Handwashing has produced clean glassware. At this time, the difference in results cannot justify the purchase of a dedicated washing unit.

3M™ Adhesive Transfer Tapes 6038PC and 6038PL				Test Date: October 31, 2016	
Lot Number	Substrate	Test	Test Method	Specification	As Received
K15316	ABS Aluminum Foil	Flammability*	SAE J369	100 mm/min max	SE**
		Fog Test***	SAE J1756****		
		One hour		70 min	93.62
		16 hours		70 min	98.61
				No oily deposits	Pass
				No crystals	Pass
				No film	Pass
		Odor	SAE J1351		
		Dry		2 rating max	1.67
		Wet		2 rating max	1.67

\*Samples were created with the adhesive applied to a 2 mil aluminum foil to support during the test

\*\*Self extinguishing

\*\*\*Samples were bonded between ABS and 2 mil aluminum foil and results were taken from the ABS side of the panel

\*\*\*\*For section 5.2 of SAE J1756, the dishwasher has been replaced with handwashing using Alconox™. Test washing with the closest equivalent dishwasher left water spots on the glassware. Handwashing has produced clean glassware. At this time, the difference in results cannot justify the purchase of a dedicated washing unit.

# Ford Specification WSS-M11P62–Annual Test Data

3M™ Adhesive Transfer Tape 9453LE				Test Date: April 30, 2017		
Lot Number	Substrate	Test	Test Method	Specification	As Received	
63055917327-017	Aluminum Foil	Flammability*	SAE J369	100 mm/min max	SE**	
		Fog Test	SAE J1756***			
				One hour	70 min	93.64
				16 hours	70 min	96.82
				No oily deposits	Pass	
				No crystals	Pass	
				No film	Pass	
		Odor	SAE J1351			
				Dry	2 rating max	2
				Wet	2 rating max	1

\*Samples were created with the adhesive applied to a 2 mil aluminum foil to support during the test

\*\*Self extinguishing

\*\*\*For section 5.2 of SAE J1756, the dishwasher has been replaced with handwashing using Alconox™. Test washing with the closest equivalent dishwasher left water spots on the glassware. Handwashing has produced clean glassware. At this time, the difference in results cannot justify the purchase of a dedicated washing unit.

3M™ Adhesive Transfer Tapes 9471LE, 9671LE				Test Date: October 31, 2016		
Lot Number	Substrate	Test	Test Method	Specification	As Received	
501659	ABS Aluminum Foil	Flammability*	SAE J369	100 mm/min max	SE**	
		Fog Test***	SAE J1756****			
				One hour	70 min	92.63
				16 hours	70 min	97.04
				No oily deposits	Pass	
				No crystals	Pass	
				No film	Pass	
		Odor	SAE J1351			
				Dry	2 rating max	1
				Wet	2 rating max	1.33

\*Samples were created with the adhesive applied to a 2 mil aluminum foil to support during the test

\*\*Self extinguishing

\*\*\*Samples were bonded between ABS and 2 mil aluminum foil and results were taken from the ABS side of the panel

\*\*\*\*For section 5.2 of SAE J1756, the dishwasher has been replaced with handwashing using Alconox™. Test washing with the closest equivalent dishwasher left water spots on the glassware. Handwashing has produced clean glassware. At this time, the difference in results cannot justify the purchase of a dedicated washing unit.

# Ford Specification WSS-M11P62–Annual Test Data

3M™ Double Coated Tape 9629PC			Test Date: September 30, 2016		
Lot Number	Substrate	Test	Test Method	Specification	As Received
15332	ABS Aluminum Foil	Flammability*	SAE J369	100 mm/min max	SE**
		Fog Test***	SAE J1756****		
		One hour		70 min	83.00
		16 hours		70 min	96.06
				No oily deposits	Pass
				No crystals	Pass
				No film	Pass
		Odor	SAE J1351		
		Dry		2 rating max	1
		Wet		2 rating max	1

\*Samples were created with the adhesive applied to a 2 mil aluminum foil to support during the test

\*\*Self extinguishing

\*\*\*Samples were bonded between ABS and 2 mil aluminum foil and results were taken from the ABS side of the panel

\*\*\*\*For section 5.2 of SAE J1756, the dishwasher has been replaced with handwashing using Alconox™. Test washing with the closest equivalent dishwasher left water spots on the glassware. Handwashing has produced clean glassware. At this time, the difference in results cannot justify the purchase of a dedicated washing unit.

3M™ Double Coated Polyester Film Tape 9828			Test Date: December 31, 2016		
Lot Number	Substrate	Test	Test Method	Specification	As Received
3351088039-27	ABS Aluminum Foil	Flammability*	SAE J369	100 mm/min max	SE**
		Fog Test***	SAE J1756****		
		One hour		70 min	92.88
		16 hours		70 min	96.86
				No oily deposits	Pass
				No crystals	Pass
				No film	Pass
		Odor	SAE J1351		
		Dry		2 rating max	1
		Wet		2 rating max	1

\*Samples were created with the adhesive applied to a 2 mil aluminum foil to support during the test

\*\*Self extinguishing

\*\*\*Samples were bonded between ABS and 2 mil aluminum foil and results were taken from the ABS side of the panel

\*\*\*\*For section 5.2 of SAE J1756, the dishwasher has been replaced with handwashing using Alconox™. Test washing with the closest equivalent dishwasher left water spots on the glassware. Handwashing has produced clean glassware. At this time, the difference in results cannot justify the purchase of a dedicated washing unit.

# Ford Specification WSS-M11P62–Annual Test Data

3M™ Double Coated Tapes 9832 and 9832HL				Test Date: December 31, 2016	
Lot Number	Substrate	Test	Test Method	Specification	As Received
6238	ABS Aluminum Foil	Flammability*	SAE J369	100 mm/min max	SE**
		Fog Test***	SAE J1756****		
		One hour		70 min	93.3
		16 hours		70 min	97.39
				No oily deposits	Pass
				No crystals	Pass
				No film	Pass
		Odor	SAE J1351		
		Dry		2 rating max	1
		Wet		2 rating max	1

\*Samples were created with the adhesive applied to a 2 mil aluminum foil to support during the test

\*\*Self extinguishing

\*\*\*Samples were bonded between ABS and 2 mil aluminum foil and results were taken from the ABS side of the panel

\*\*\*\*For section 5.2 of SAE J1756, the dishwasher has been replaced with handwashing using Alconox™. Test washing with the closest equivalent dishwasher left water spots on the glassware. Handwashing has produced clean glassware. At this time, the difference in results cannot justify the purchase of a dedicated washing unit.

3M™ Double Coated Tape 9490LE				Test Date: December 31, 2016	
Lot Number	Substrate	Test	Test Method	Specification	As Received
52550615905-003	ABS Aluminum Foil	Flammability*	SAE J369	100 mm/min max	SE**
		Fog Test***	SAE J1756****		
		One hour		70 min	92.67
		16 hours		70 min	96.88
				No oily deposits	Pass
				No crystals	Pass
				No film	Pass
		Odor	SAE J1351		
		Dry		2 rating max	1
		Wet		2 rating max	1

\*Samples were created with the adhesive applied to a 2 mil aluminum foil to support during the test

\*\*Self extinguishing

\*\*\*Samples were bonded between ABS and 2 mil aluminum foil and results were taken from the ABS side of the panel

\*\*\*\*For section 5.2 of SAE J1756, the dishwasher has been replaced with handwashing using Alconox™. Test washing with the closest equivalent dishwasher left water spots on the glassware. Handwashing has produced clean glassware. At this time, the difference in results cannot justify the purchase of a dedicated washing unit.

# Ford Specification WSS-M11P62–Annual Test Data

3M™ Double Coated Tape 9495LE			Test Date: November 30, 2016		
Lot Number	Substrate	Test	Test Method	Specification	As Received
5337	ABS Aluminum Foil	Flammability*	SAE J369	100 mm/min max	SE**
		Fog Test***	SAE J1756****		
		One hour		70 min	91.21
		16 hours		70 min	95.77
				No oily deposits	Pass
				No crystals	Pass
				No film	Pass
		Odor	SAE J1351		
		Dry		2 rating max	2
		Wet		2 rating max	2

\*Samples were created with the adhesive applied to a 2 mil aluminum foil to support during the test

\*\*Self extinguishing

\*\*\*Samples were bonded between ABS and 2 mil aluminum foil and results were taken from the ABS side of the panel

\*\*\*\*For section 5.2 of SAE J1756, the dishwasher has been replaced with handwashing using Alconox™. Test washing with the closest equivalent dishwasher left water spots on the glassware. Handwashing has produced clean glassware. At this time, the difference in results cannot justify the purchase of a dedicated washing unit.

3M™ Double Coated Tape 9495MP			Test Date: November 30, 2016		
Lot Number	Substrate	Test	Test Method	Specification	As Received
4325	ABS Aluminum Foil	Flammability*	SAE J369	100 mm/min max	SE**
		Fog Test***	SAE J1756****		
		One hour		70 min	93.77
		16 hours		70 min	97.97
				No oily deposits	Pass
				No crystals	Pass
				No film	Pass
		Odor	SAE J1351		
		Dry		2 rating max	1
		Wet		2 rating max	2

\*Samples were created with the adhesive applied to a 2 mil aluminum foil to support during the test

\*\*Self extinguishing

\*\*\*Samples were bonded between ABS and 2 mil aluminum foil and results were taken from the ABS side of the panel

\*\*\*\*For section 5.2 of SAE J1756, the dishwasher has been replaced with handwashing using Alconox™. Test washing with the closest equivalent dishwasher left water spots on the glassware. Handwashing has produced clean glassware. At this time, the difference in results cannot justify the purchase of a dedicated washing unit.



# Ford Specification WSS-M11P62–Annual Test Data

3M™ Fastbond™ 30NF			Test Date: November 30, 2016		
Lot Number	Substrate	Test	Test Method	Specification	As Received
2199A9	ABS Aluminum Foil	Flammability*	SAE J369	100 mm/min max	SE**
		Fog Test***	SAE J1756****		
		One hour		70 min	94.04
		16 hours		70 min	97.6
				No oily deposits	Pass
				No crystals	Pass
				No film	Pass
		Odor	SAE J1351		
		Dry		2 rating max	1
		Wet		2 rating max	2

\*Samples were created with the adhesive applied to a 2 mil aluminum foil to support during the test

\*\*Self extinguishing

\*\*\*Samples were bonded between ABS and 2 mil aluminum foil and results were taken from the ABS side of the panel

\*\*\*\*For section 5.2 of SAE J1756, the dishwasher has been replaced with handwashing using Alconox™. Test washing with the closest equivalent dishwasher left water spots on the glassware. Handwashing has produced clean glassware. At this time, the difference in results cannot justify the purchase of a dedicated washing unit.

3M™ VHB™ Tape 5925			Test Date: April 30, 2017		
Lot Number	Substrate	Test	Test Method	Specification	As Received
6190-121	Aluminum Foil	Flammability*	SAE J369	100 mm/min max	SE**
		Fog Test	SAE J1756***		
		One hour		70 min	91.56
		16 hours		70 min	92.22
				No oily deposits	Pass
				No crystals	Pass
				No film	Pass
		Odor	SAE J1351		
		Dry		2 rating max	2
		Wet		2 rating max	1

\*Samples were created with the adhesive applied to a 2 mil aluminum foil to support during the test

\*\*Self extinguishing

\*\*\*For section 5.2 of SAE J1756, the dishwasher has been replaced with handwashing using Alconox™. Test washing with the closest equivalent dishwasher left water spots on the glassware. Handwashing has produced clean glassware. At this time, the difference in results cannot justify the purchase of a dedicated washing unit.

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## Technical Information

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ISO 9001: 2008

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