



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 below in the following information. Tapes not listed on this document have not been tested to this specification.

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™ Adhesive Transfer Tape 9472FL
 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
 3M™ Double Coated Tape 99786

Approved by IATD Quality:

Jurene L. Fisher
Test Coordinator

| 3M™ High Performance Adhesive Transfer Tape 9627 | | | Expiration Date: June 30, 2023 | | |
|--|-----------|---------------|--------------------------------|------------------|-------------|
| Lot Number | Substrate | Test | Test Method | Specification | As Received |
| 22062 | ABS | Flammability* | SAE J369 | 100 mm/min max | SE** |
| | | Aluminum Foil | Fog Test*** | SAE J1756**** | |
| | One hour | | | 70 min | 85 |
| | 16 hours | | | 70 min | 97 |
| | | | | No oily deposits | Pass |
| | | | | No crystals | Pass |
| | | | | No film | Pass |
| | | Odor | SAE J1351***** | | |
| | | Dry | | 5 rating max | 2 |
| | | Wet | | 5 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.

*****SAE J1351 updated odor ratings. New maximum is a 5 rating.

Ford Specification WSS-M11P62–Annual Test

| 3M™ Adhesive Transfer Tapes 9472, 950, 9672, 969 | | | | Expiration Date: June 30, 2023 | | | | |
|--|---------------|---------------|---------------|--------------------------------|------------------|--------|--------------|---|
| Lot Number | Substrate | Test | Test Method | Specification | As Received | | | |
| | ABS | Flammability* | SAE J369 | 100 mm/min max | SE** | | | |
| | Aluminum Foil | Fog Test*** | SAE J1756**** | | | | | |
| | | | | One hour | | 70 min | 86 | |
| | | | | 16 hours | | 70 min | 97 | |
| | | | | | No oily deposits | Pass | | |
| | | | | | No crystals | Pass | | |
| | | | | | No film | Pass | | |
| | | Odor | | SAE J1351***** | | | | |
| | | | | | Dry | | 5 rating max | 2 |
| | | | | | Wet | | 5 rating max | 3 |

*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.

*****SAE J1351 updated odor ratings. New maximum is a 5 rating.

| 3M™ Adhesive Transfer Tapes 9472LE, 9672LE | | | | Expiration Date: March 31, 2023 | | | | |
|--|---------------|---------------|---------------|---------------------------------|------------------|--------|--------------|------|
| Lot Number | Substrate | Test | Test Method | Specification | As Received | | | |
| | ABS | Flammability* | SAE J369 | 100 mm/min max | SE** | | | |
| | Aluminum Foil | Fog Test*** | SAE J1756**** | | | | | |
| | | | | One hour | | 70 min | 90 | |
| | | | | 16 hours | | 70 min | 96 | |
| | | | | | No oily deposits | Pass | | |
| | | | | | No crystals | Pass | | |
| | | | | | No film | Pass | | |
| | | Odor | | SAE J1351***** | | | | |
| | | | | | Dry | | 5 rating max | 3.33 |
| | | | | | Wet | | 5 rating max | 3.33 |

*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.

*****SAE J1351 updated odor ratings. New maximum is a 5 rating.

Ford Specification WSS-M11P62–Annual Test

| 3M™ Adhesive Transfer Tape 9626 | | | Expiration Date: September 30, 2019 | | |
|---------------------------------|----------------------|---------------|-------------------------------------|------------------|-------------|
| Lot Number | Substrate | Test | Test Method | Specification | As Received |
| 17198 | ABS Aluminum Foil | Flammability* | SAE J369 | 100 mm/min max | SE** |
| | | Fog Test*** | SAE J1756**** | | |
| | | One hour | | 70 min | 96.52 |
| | | 16 hours | | 70 min | 99.56 |
| | | | | No oily deposits | Pass |
| | | | | No crystals | Pass |
| | | | | No film | Pass |
| | | Odor | SAE J1351***** | | |
| | | Dry | | 5 rating max | 1.33 |
| | | Wet | | 5 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.

*****SAE J1351 updated odor ratings. New maximum is a 5 rating.

| 3M™ Adhesive Transfer Tapes 468MP, 468MPF, 9185MP | | | Expiration Date: July 31, 2019 | | |
|---|----------------------|---------------|--------------------------------|------------------|-------------|
| Lot Number | Substrate | Test | Test Method | Specification | As Received |
| 722151917959-023 | ABS Aluminum Foil | Flammability* | SAE J369 | 100 mm/min max | SE** |
| | | Fog Test*** | SAE J1756**** | | |
| | | One hour | | 70 min | 99.13 |
| | | 16 hours | | 70 min | 99.95 |
| | | | | No oily deposits | Pass |
| | | | | No crystals | Pass |
| | | | | No film | Pass |
| | | Odor | SAE J1351***** | | |
| | | Dry | | 5 rating max | 2 |
| | | Wet | | 5 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.

*****SAE J1351 updated odor ratings. New maximum is a 5 rating.

Ford Specification WSS-M11P62–Annual Test

| 3M™ Adhesive Transfer Tapes 6035PC and 6035PL | | | | Expiration Date: December 31, 2023 | |
|---|----------------------|---------------|----------------|------------------------------------|-------------|
| Lot Number | Substrate | Test | Test Method | Specification | As Received |
| | ABS Aluminum Foil | Flammability* | SAE J369 | 100 mm/min max | DNI** |
| | | Fog Test*** | SAE J1756**** | | |
| | | One hour | | 70 min | 98 |
| | | 16 hours | | 70 min | 99 |
| | | | | No oily deposits | Pass |
| | | | | No crystals | Pass |
| | | | | No film | Pass |
| | | Odor | SAE J1351***** | | |
| | | Dry | | 5 rating max | 3 |
| | | Wet | | 5 rating max | 3 |

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

**Did not ignite

***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.

*****SAE J1351 updated odor ratings. New maximum is a 5 rating.

| 3M™ Adhesive Transfer Tapes 6038PC and 6038PL | | | | Expiration Date: October 31, 2019 | |
|---|----------------------|---------------|----------------|-----------------------------------|-------------|
| Lot Number | Substrate | Test | Test Method | Specification | As Received |
| K17019-005 | ABS Aluminum Foil | Flammability* | SAE J369 | 100 mm/min max | SE** |
| | | Fog Test*** | SAE J1756**** | | |
| | | One hour | | 70 min | 92.55 |
| | | 16 hours | | 70 min | 97.63 |
| | | | | No oily deposits | Pass |
| | | | | No crystals | Pass |
| | | | | No film | Pass |
| | | Odor | SAE J1351***** | | |
| | | Dry | | 5 rating max | 1 |
| | | Wet | | 5 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.

*****SAE J1351 updated odor ratings. New maximum is a 5 rating.

Ford Specification WSS-M11P62–Annual Test

| 3M™ Adhesive Transfer Tape 9453LE | | | | Expiration Date: April 30, 2019 | |
|-----------------------------------|----------------------|---------------|----------------|---------------------------------|-------------|
| Lot Number | Substrate | Test | Test Method | Specification | As Received |
| 73075918112-005 | ABS Aluminum Foil | Flammability* | SAE J369 | 100 mm/min max | SE** |
| | | Fog Test*** | SAE J1756**** | | |
| | | One hour | | 70 min | 83.33 |
| | | 16 hours | | 70 min | 94.83 |
| | | | | No oily deposits | Pass |
| | | | | No crystals | Pass |
| | | | | No film | Pass |
| | | Odor | SAE J1351***** | | |
| | | Dry | | 5 rating max | 2 |
| | | Wet | | 5 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.

*****SAE J1351 updated odor ratings. New maximum is a 5 rating.

| 3M™ Adhesive Transfer Tapes 9471LE, 9671LE | | | | Expiration Date: October 31, 2019 | |
|--|----------------------|---------------|----------------|-----------------------------------|-------------|
| Lot Number | Substrate | Test | Test Method | Specification | As Received |
| 71685917848-009 | ABS Aluminum Foil | Flammability* | SAE J369 | 100 mm/min max | SE** |
| | | Fog Test*** | SAE J1756**** | | |
| | | One hour | | 70 min | 92.77 |
| | | 16 hours | | 70 min | 96.74 |
| | | | | No oily deposits | Pass |
| | | | | No crystals | Pass |
| | | | | No film | Pass |
| | | Odor | SAE J1351***** | | |
| | | Dry | | 5 rating max | 1.66 |
| | | Wet | | 5 rating max | 1.66 |

*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.

*****SAE J1351 updated odor ratings. New maximum is a 5 rating.

Ford Specification WSS-M11P62–Annual Test

| 3M™ Double Coated Tape 9629PC | | | Expiration Date: September 30, 2019 | | |
|-------------------------------|----------------------|---------------|-------------------------------------|------------------|-------------|
| Lot Number | Substrate | Test | Test Method | Specification | As Received |
| 17200 | ABS Aluminum Foil | Flammability* | SAE J369 | 100 mm/min max | SE** |
| | | Fog Test*** | SAE J1756**** | | |
| | | One hour | | 70 min | 84.11 |
| | | 16 hours | | 70 min | 97.13 |
| | | | | No oily deposits | Pass |
| | | | | No crystals | Pass |
| | | | | No film | Pass |
| | | Odor | SAE J1351***** | | |
| | | Dry | | 5 rating max | 1.67 |
| | | Wet | | 5 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.

*****SAEJ1351 updated odor ratings. New maximum is a 5 rating.

| 3M™ Double Coated Polyester Film Tape 9828 | | | Expiration Date: December 31, 2019 | | |
|--|----------------------|---------------|------------------------------------|------------------|-------------|
| Lot Number | Substrate | Test | Test Method | Specification | As Received |
| 808808113-911 | ABS Aluminum Foil | Flammability* | SAE J369 | 100 mm/min max | SE** |
| | | Fog Test*** | SAE J1756**** | | |
| | | One hour | | 70 min | 94.37 |
| | | 16 hours | | 70 min | 98.23 |
| | | | | No oily deposits | Pass |
| | | | | No crystals | Pass |
| | | | | No film | Pass |
| | | Odor | SAE J1351 | | |
| | | Dry | | 5 rating max | 2 |
| | | Wet | | 5 rating max | 3.33 |

*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..

*****SAEJ1351 updated odor ratings. New maximum is a 5 rating

Ford Specification WSS-M11P62–Annual Test

| 3M™ Double Coated Tapes 9832 and 9832HL | | | | Expiration Date: October 31, 2023 | | | | |
|---|---------------|---------------|---------------|-----------------------------------|------------------|--------|--------------|---|
| Lot Number | Substrate | Test | Test Method | Specification | As Received | | | |
| | ABS | Flammability* | SAE J369 | 100 mm/min max | DNI** | | | |
| | Aluminum Foil | Fog Test*** | SAE J1756**** | | | | | |
| | | | | One hour | | 70 min | 99 | |
| | | 16 hours | | 70 min | 100 | | | |
| | | | | | No oily deposits | Pass | | |
| | | | | | No crystals | Pass | | |
| | | | | | No film | Pass | | |
| | | Odor | | SAE J1351 | | | | |
| | | | | | Dry | | 5 rating max | 3 |
| | | | | | Wet | | 5 rating max | 2 |

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

**Did not ignite

***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.

*****SAEJ1351 updated odor ratings. New maximum is a 5 rating

| 3M™ Double Coated Tape 9490LE | | | | Expiration Date: March 31, 2023 | | | | |
|-------------------------------|---------------|---------------|---------------|---------------------------------|------------------|--------|--------------|------|
| Lot Number | Substrate | Test | Test Method | Specification | As Received | | | |
| 72150618350-002 | ABS | Flammability* | SAE J369 | 100 mm/min max | DNI** | | | |
| | Aluminum Foil | Fog Test*** | SAE J1756**** | | | | | |
| | | | | One hour | | 70 min | 90 | |
| | | 16 hours | | 70 min | 96 | | | |
| | | | | | No oily deposits | Pass | | |
| | | | | | No crystals | Pass | | |
| | | | | | No film | Pass | | |
| | | Odor | | SAE J1351***** | | | | |
| | | | | | Dry | | 5 rating max | 2.33 |
| | | | | | Wet | | 5 rating max | 3 |

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

**Did not ignite

***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.

*****SAEJ1351 updated odor ratings. New maximum is a 5 rating.

Ford Specification WSS-M11P62–Annual Test

| 3M™ Double Coated Tape 9495LE | | | Expiration Date: May 31, 2023 | | | |
|-------------------------------|----------------------|---------------|-------------------------------|------------------|--------------|------|
| Lot Number | Substrate | Test | Test Method | Specification | As Received | |
| B327069873003 | ABS Aluminum Foil | Flammability* | SAE J369 | 100 mm/min max | SE** | |
| | | Fog Test*** | SAE J1756**** | | | |
| | | | | One hour | 70 min | 94 |
| | | | | 16 hours | 70 min | 96 |
| | | | | No oily deposits | Pass | |
| | | | | No crystals | Pass | |
| | | | | No film | Pass | |
| | | Odor | SAE J1351***** | | | |
| | | | | Dry | 5 rating max | 4.67 |
| | | | | Wet | 5 rating max | 5 |

*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.

*****SAEJ1351 updated odor ratings. New maximum is a 5 rating.

| 3M™ Double Coated Tape 9495MP | | | Expiration Date: November 30, 2019 | | | |
|-------------------------------|----------------------|---------------|------------------------------------|------------------|--------------|-------|
| Lot Number | Substrate | Test | Test Method | Specification | As Received | |
| 8004065144-003 | ABS Aluminum Foil | Flammability* | SAE J369 | 100 mm/min max | SE** | |
| | | Fog Test*** | SAE J1756**** | | | |
| | | | | One hour | 70 min | 95.20 |
| | | | | 16 hours | 70 min | 98.34 |
| | | | | No oily deposits | Pass | |
| | | | | No crystals | Pass | |
| | | | | No film | Pass | |
| | | Odor | SAE J1351***** | | | |
| | | | | Dry | 5 rating max | 2 |
| | | | | Wet | 5 rating max | 2.67 |

*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.

*****SAEJ1351 updated odor ratings. New maximum is a 5 rating.

Ford Specification WSS-M11P62–Annual Test

| 3M™ Double Coated Tape 99786 | | | Expiration Date: September 30, 2019 | | |
|------------------------------|----------------------|---------------|-------------------------------------|------------------|-------------|
| Lot Number | Substrate | Test | Test Method | Specification | As Received |
| 17333-012 | ABS Aluminum Foil | Flammability* | SAE J369 | 100 mm/min max | SE** |
| | | Fog Test | SAE J1756*** | | |
| | | One hour | | 70 min | 92.38 |
| | | 16 hours | | 70 min | 98.12 |
| | | | | No oily deposits | Pass |
| | | | | No crystals | Pass |
| | | | | No film | Pass |
| | | Odor | SAE J1351***** | | |
| | | Dry | | 5 rating max | 1.33 |
| | | Wet | | 5 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.

*****SAEJ1351 updated odor ratings. New maximum is a 5 rating.

| 3M™ Fastbond™ 30NF | | | Expiration Date: November 30, 2019 | | |
|--------------------|----------------------|---------------|------------------------------------|------------------|-------------|
| Lot Number | Substrate | Test | Test Method | Specification | As Received |
| 81428 | ABS Aluminum Foil | Flammability* | SAE J369 | 100 mm/min max | SE** |
| | | Fog Test*** | SAE J1756**** | | |
| | | One hour | | 70 min | 90.89 |
| | | 16 hours | | 70 min | 95.81 |
| | | | | No oily deposits | Pass |
| | | | | No crystals | Pass |
| | | | | No film | Pass |
| | | Odor | SAE J1351 | | |
| | | Dry | | 5 rating max | 2.67 |
| | | Wet | | 5 rating max | 4 |

*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.

*****SAEJ1351 updated odor ratings. New maximum is a 5 rating.

Ford Specification WSS-M11P62–Annual Test

| 3M™ VHB™ Tape 5925 | | | Expiration Date: April 30, 2019 | | |
|--------------------|----------------------|---------------|---------------------------------|------------------|-------------|
| Lot Number | Substrate | Test | Test Method | Specification | As Received |
| 7288-110 | ABS Aluminum Foil | Flammability* | SAE J369 | 100 mm/min max | SE** |
| | | Fog Test*** | SAE J1756**** | | |
| | | One hour | | 70 min | 89.94 |
| | | 16 hours | | 70 min | 95.91 |
| | | | | No oily deposits | Pass |
| | | | | No crystals | Pass |
| | | | | No film | Pass |
| | | Odor | SAE J1351***** | | |
| | | Dry | | 5 rating max | 3 |
| | | Wet | | 5 rating max | 3.67 |

*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.

*****SAEJ1351 updated odor ratings. New maximum is a 5 rating.

| 3M™ Adhesive Transfer Tapes 9472FL | | | Expiration Date: October 31, 2019 | | |
|------------------------------------|----------------------|---------------|-----------------------------------|------------------|-------------|
| Lot Number | Substrate | Test | Test Method | Specification | As Received |
| 71685917848-009 | ABS Aluminum Foil | Flammability* | SAE J369 | 100 mm/min max | SE** |
| | | Fog Test*** | SAE J1756**** | | |
| | | One hour | | 70 min | 92.38 |
| | | 16 hours | | 70 min | 96.96 |
| | | | | No oily deposits | Pass |
| | | | | No crystals | Pass |
| | | | | No film | Pass |
| | | Odor | SAE J1351***** | | |
| | | Dry | | 5 rating max | 2 |
| | | Wet | | 5 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.

*****SAEJ1351 updated odor ratings. New maximum is a 5 rating.

Ford Specification WSS-M11P62–Annual Test

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