



PERFORMANCE, TOE PAD, FOOTREST COVER

WSS-M15P37-C1

1. SCOPE

This specification defines the performance requirements for a vinyl material with a hardness less than 95 Shore A.

2. APPLICATION

This specification was released originally for the dielectrically weldable protection pad materials used in the toe pad or footrest region on floor carpet assemblies.

2.1 LIMITATION

This specification is not to be used for heel pad applications on the floor carpet under floor mats or on floor mats.

3. REQUIREMENTS

3.1 APPROVED SOURCES

This specification requires the use of approved sources. Only the sources identified on the Ford Approved Source List (ASL) can be used when this specification is listed on the drawing, CAD file, or other documents. The list of approved sources is located within Ford at www.mats.ford.com or available externally through a Ford Materials Engineer.

3.2 CONDITIONING AND TEST CONDITIONS

All test values are based on material conditioned for not less than 24 h prior to testing in a controlled environment of 23 +/- 2 °C and 50 +/- 5% relative humidity. Testing of the material should occur in the conditioning environment or soon after removal.

3.3 INFRARED SPECTROPHOTOMETRY AND/OR THERMAL ANALYSIS

IR spectra and thermograms from initial material approval shall constitute the reference standard and shall be kept on file at the designated material laboratory. The material supplier shall ensure that all future material supplied to the specification shall produce IR spectra and thermograms that correspond to the reference standard when tested under the same conditions.

3.4 PERFORMANCE CRITERIA

3.4.1 Mold in Color hard plastic (hardness greater than 95 Shore A) toe pads, footrest covers shall meet the performance requirements of WSS-M15P4-F.

3.5 APPEARANCE

The color, pattern, and gloss shall match the approved Corporate Design master sample.

3.6 SURFACE CONDITIONS

Date	Action	Revisions	Rev. 0
2015 11 19	Released		



Documents
L. Sinclair, NA



Shall not be tacky to foreign material. Dirt and dust shall be capable of removal with soap and water.

3.7 PHYSICAL PROPERTIES

3.7.1 Heat Aging

(7 days at 80 +/- 2 °C, ISO 105-A02/
AATCC Evaluation procedure 1,
sample size 5 in x 5 in or full part size)

No Cracking
Rating 4 min

After testing the sample shall show no evidence of excessive tackiness, chalking, wrinkling, distortion, blistering, warping, blushing, iridescence, hazing, milkiness, staining, waviness, bloom or other objectionable visual appearance.

3.7.2 Dielectric Bond Strength

NOTE: Specimen shall be cut so that the bond line is in the middle of the specimen for both the center and edge cuts. Start the separation of the specimen and test with the pile direction of the carpet.

3.7.2.1 Original

(FLTM BN 151-05, except 300 mm/min
and 25 mm wide specimen)

Edge
Center (if welded ribs are located in the center)

26 N min
18 N min

3.7.2.2 Dielectric Bond Strength, Short Term Aged (FLTM BN 151-05 except 300 mm/min and 25 mm wide specimen and age per below)

Edge
Center (if welded ribs are located in the center)

75% of Original min
75% of Original min

- 5h at -30 +/- 2 °C
- 30 min at 23 +/- 2 °C and 50% R.H.
- 5h at 80 +/- 2 °C
- 30 min at 23 +/- 2 °C and 50% R.H.
- 2 h at 50 +/- 2 °C and 95% R.H.
- 30 min at 23 +/- 2 °C and 50% R.H.
- 5h at -30 +/- 2 °C
- 30 min at 23 +/- 2 °C and 50% R.H.
- 5h at 80 +/- 2 °C

3.7.2.3 Dielectric Bond Strength, Long Term Aged (FLTM BN 151-05, except 300 mm/min and 25 mm wide specimen, age 7 days at 80 +/- 2 °C)

Edge
Center (if welded ribs are located in the center)

75% of Original min
75% of Original min

3.8 APPEARANCE PROPERTIES

3.8.1 Resistance to Weathering

(FLTM BO 116-01, ISO 105-A02/
AATCC Evaluation Procedure 1)