



**CARPET, POLYESTER,  
NON WOVEN, RANDOM VELOUR, NEEDED,  
STANFORD PATTERN, POLYETHYLENE  
MOLDABLE BACKING, 495 g/m<sup>2</sup> (14.6 oz), 100% PCR CONTENT**

**WRS-M3H159-A1**

**CARPET, POLYESTER,  
NON WOVEN, RANDOM VELOUR, NEEDED,  
STANFORD PATTERN, MOLDABLE, MASS BACKED,  
495 g/m<sup>2</sup> (14.6 oz), 100% PCR CONTENT**

**WRS-M3H159-A2**

### 1. SCOPE

The materials defined by these specifications are random velour, needed, nonwoven carpets of good quality and uniform composition. The carpet face is made with 100% post consumer fiber.

### 2. APPLICATION

This specification was released originally for floor carpet applications on B and C car platforms.

### 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](http://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 PERFORMANCE CRITERIA

3.3.1 In addition to the requirements listed herein, the end-item floor carpet shall be tested to WSS-M8P16-B/latest and any additional SDS requirements. The details for each of the supplier's specific construction shall be documented in the supplement attached and uploaded into the scanned data package.

3.3.2 Vehicle Interior Environment Quality Materials/Component Performance Requirements

Materials used in interior applications must meet the requirements outlined in WSS-M99P2222-D1/ latest. Data must be included at the appropriate program milestone

| Date       | Action   | Revisions | Rev 00 |
|------------|----------|-----------|--------|
|            |          |           |        |
|            |          |           |        |
| 2016 05 18 | Released |           |        |



### 3.3.3 Recycled Content

This specification must contain 100% recycled content as defined by WRS-M99P42-A2 (*Textile Materials, Identification of Recycled Content*).

## 3.4 SAMPLE SELECTION

All evaluations shall be conducted on test specimens taken from finished roll goods prior to any subsequent operations, such as reheating or molding.

## 3.5 APPEARANCE

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

## 3.6 COMPOSITION

|       |                                                  |                                        |
|-------|--------------------------------------------------|----------------------------------------|
| 3.6.1 | Face Fiber<br>(ASTM D276)                        | 100% PIR/PCR Polyester<br>UV Resistant |
| 3.6.2 | Pre-Coat<br>(ASTM D276)                          | 100% Low Density<br>Polyethylene       |
| 3.6.3 | Mass Backing (WRS-M3H159-A2 only)<br>(ASTM D276) | EVA                                    |

## 3.7 METHOD OF DYEING

Solution dyed

## 3.8 CONSTRUCTION

|       |                             |           |
|-------|-----------------------------|-----------|
| 3.8.1 | Face Fiber<br>(ASTM D 1244) | 12 Denier |
|-------|-----------------------------|-----------|

## 3.9 TOTAL FACE THICKNESS\* (ISO 1765)

5.0 +/- 0.5 mm

\*Thickness prior to molding.

## 3.10 WEIGHT

|        |                              |                                                                                                                            |
|--------|------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| 3.10.1 | Face Fiber<br>(ASTM D5848)   | 550 g/m <sup>2</sup> (16.2 oz/yd <sup>2</sup> ) Nominal<br>(495 -605) g/m <sup>2</sup><br>(14.6 – 17.8) oz/yd <sup>2</sup> |
| 3.10.2 | Pre-Coat<br>(ASTM D5848)     | 216-264 g/m <sup>2</sup><br>(6.4 – 7.8) oz/yd <sup>2</sup>                                                                 |
| 3.10.3 | Mass Backing<br>(ASTM D5848) | Report g/m <sup>2</sup> *<br>(Report) oz/yd <sup>2</sup>                                                                   |

\*Mass backing weight is vehicle dependent. Approved mass backing weights will be documented on the Approved Source List (ASL).