PERFORMANCE, EXTERIOR ROLL-UP TONNEAU **WSS-M8P26-A1**

PERFORMANCE, EXTERIOR TRI-FOLD TONNEAU **WSS-M8P26-A2**

1. SCOPE

This specification defines the standard performance requirements for soft flexible materials used in exterior tonneau cover applications.

2. APPLICATION

This specification was released originally for materials used in the F150 exterior tonneau cover. In addition, other components used in the tonneau cover system must meet the following requirements if present in the system.

- Exterior rigid painted parts must meet WSS-M2P180-D or latest.
- Labels must meet WSS-M99P41-A10/A72 or latest.
- Exterior plastic parts must meet WSS-M98P13-C or latest.
- EDPM rubber parts must meet the appropriate specification per engineering drawing WSS-M2D(378-381)-B1 or latest.

3. REQUIREMENTS

3.1 STANDARD REQUIREMENTS FOR PRODUCTION MATERIALS

Material suppliers and part producers must conform to the Company's Standard Requirements For Production Materials (WSS-M99P1111/latest).

3.2 SAMPLE SELECTION

All evaluations shall be conducted on test specimens taken from production representative exterior tonneau rolled goods, assemblies or parts.

3.3 APPEARANCE
(FLTM BI 109-01)

The color, pattern, and finish shall match the approved Design Center master sample or shall be specified on the engineering drawing.

3.4 CONSTRUCTION
(ASTM D629)

Construction as specified on the Engineering Drawing.
Roll up - PVC film with 100% polyester backing
Tri-Fold – PVC with 100% polyester woven-knit substrate, with color matched backing

Date	Action	Revisions	Rev. 0
2014 04 02	Released		D. Murtonen, FNA

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3.5 COMPOSITION

3.5.1 Weight
(ASTM D751, Sample Method)

WSS-M8P26-A1	630 +/- 68 g/m^2
WSS-M8P26-A2	670 +/- 60 g/m^2

3.5.1 Finished Thickness
(ASTM D751) — Report Range in mm

3.6 FLAMMABILITY
(ISO 3795/SAE J369)

Burn Rate — 100 mm/minute max

3.7 RESISTANCE PROPERTIES

3.7.1 Resistance to Crocking
(FLTM BN 107-01, AATCC Evaluation Procedure 2, Test A Surface Only)

Wet	Rating 4-5 min
Dry	Rating 4-5 min

3.7.2 Fluid Spotting Resistance — Rating 4-5 min
(FLTM BI 168-01, Method B, AATCC Evaluation Procedure 2 Gasoline Only)

No staining or change in color

3.7.3 Soiling and Cleanability — Rating 4 min
(FLTM BN 112-08, ISO 105-A02/AATCC, All agents and Body Wax)

3.7.4 Resistance to Heat Aging — Rating 4 min
(7 days at 100 +/-2 °C, ISO 105-A02/AATCC Evaluation Procedure 1)

After exposure, the material shall show no evidence of tackiness, spewing, excessive loss of grain or exhibit staining, color tone change or change in hue in excess of required AATCC rating. Any "spotty" or non-uniform staining or discoloration shall be cause for rejection.

3.7.5 Environmental Cycling
(ISO 105-A02/AATCC Evaluation Procedure 1) — Rating 4 min
5 cycles of the following:

3 h at 80 +/- 2 °C
1 h at 23 +/- 2 °C and 50 +/-5% RH
3 h at -40 +/-2 °C
1 h at 23 +/- 2 °C and 50 +/-5% RH
16 h at 38 +/- 2 °C and 95 to 98% RH

After exposure the material shall show no color change in excess of the specified Grey Scale rating. In addition, there shall be no cracking, crazing, dulling, or other deterioration.

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