WEBBINGS, SAFETY BELTS

MEDIUM STRENGTH, LOW ELONGATION	**WSS-M7H57-A1**
MEDIUM STRENGTH, MEDIUM ELONGATION	**WSS-M7H57-A2**
MEDIUM STRENGTH, HIGH ELONGATION	**WSS-M7H57-A3**
HIGH STRENGTH, LOW ELONGATION	**WSS-M7H57-A4**
HIGH STRENGTH, HIGH ELONGATION	**WSS-M7H57-A5**

1. SCOPE

The materials defined by these specifications are seat belt webbings woven with either twisted or untwisted continuous filament yarns and finished selvages and may have a monofilament reinforcement. Proper dyes and dyeing procedures shall be employed, the yarns may be spun dyed or the webbing may be piece dyed to provide acceptable color, appearance, and physical properties. A surface finish may be applied to enhance abrasion resistance and/or surface friction. Color stripping for re-dyeing of webbing rejected for color is not allowed. The webbings shall be of good quality and uniform construction.

2. APPLICATION

These specifications were released originally for materials used in the manufacture of seat belts.

3. REQUIREMENTS

In addition to the requirements listed herein, materials approved to these specifications must also meet all applicable requirements of marketplace National Standards such as C/FMVSS 209, ECE 16, ADR 4, JIS D4604, etc.

3.0 STANDARD REQUIREMENTS FOR PRODUCTION MATERIALS

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

Part producers using this material in their products, must use Ford approved materials and must conform to a process control plan which has been approved by STA and/or the relevant Materials Activity.

3.3 APPEARANCE

The color, pattern and finish shall match the approved Design Center master sample, or shall be as specified on the Engineering Drawing.

Date	Action	Revisions
2003 11 11	Revised	Para 3.0 inserted; para 3.1, 3.2 3.15 and 4 deleted; para 3.7, 3.8, 3.9 and 3.14 revised C. Lee
1998 03 06	Activated	D. Henrickson, J. Williams

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		A1	A2	A3	A4	A5
3.4	**BREAKING STRENGTH, kN, min** (SAE J140, using 100 mm diameter jaws)	24.75	24.75	24.75	27.0	27.0
3.5	**ELONGATION, %** (FMVSS 209, S5.1(c))	6 - 10	10 - 14	12 - 17	6 - 10	12 - 17

3.6 RESISTANCE TO FADE, min
(SAE J1885, AATCC Evaluation Procedure 1)

3.6.1 225.6 kJ/m^2, all colors

Webbing using spun dyed yarns	Rating 4
Piece-dyed webbing	Rating 3

3.6.2 488.6 kJ/m^2, black only, all types — Rating 3

No individual yarn or combination of yarns shall fade, stain or exhibit any color tone change, nor shall the yarns change in hue or brightness in excess of the above ratings.

3.7 COLORFASTNESS TO CROCKING, WET AND DRY, min — Rating 4 - 5
(FLTM BN 107-01, AATCC Evaluation Procedure 2)

3.8 COLORFASTNESS TO STAINING-BLEEDING, min — Rating 4 - 5
(FLTM AN 101-01, AATCC Evaluation Procedure 2)

3.9 PERSPIRATION STAINING, min — Rating 4 - 5
(FLTM AN 101-01, AATCC Evaluation Procedure 2)

3.10 SOILING AND CLEANABILITY
(FLTM BN 112-08)

The performance of production material shall be equal to or better than that exhibited by the sample originally approved for production by the Materials Engineering Activity.

3.11 PLIABILITY
(FLTM BN 102-05, ASTM D 747 (direct reading at 60°, 12.7 mm span length))

Pliability requirements will vary depending on individual vehicle system needs and marketplace. Therefore, pliability test method and requirements are to be agreed upon by the seatbelt system and webbing suppliers. The method and agreed upon requirements will be submitted with the initial source approval and made a part of the record. Any requirement changes in excess of +/- 15% for a currently approved construction will require a new approval submission.

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