



THREAD, NYLON, THREE PLY, TOP THREAD, TEX 70

WSD-M15H51-D

THREAD, NYLON, THREE PLY, UNDERTHREAD, TEX 70

WSD-M15H51-E

1. SCOPE

The material defined by this specification is a nylon thread manufactured as a single cord incorporating three separate plies.

2. APPLICATION

This specification was released originally for material used as a sewing thread used in seat and/or trim assemblies.

3. REQUIREMENTS

In addition to the requirements quoted herein, the WSD-M15H51-D material must meet the requirements of the Sewing Thread Performance Specification, WSS-M8P5-C. WSD-M15H51-E underthread must meet the requirements of the WSS-M8P5-C with the exception of 3.5.2 Tensile after UV exposure and 3.6 Resistance to Fade.

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-A).

3.2 APPEARANCE (FLTM BI 109-01)

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

3.3 YARN CONSTRUCTION AND DESCRIPTION (ASTM D 1244)

The thread is manufactured in one single cord from three separate ends of 23.5 tex f34, multifilament, bright, high tenacity polyamide type 6.6 yarn. They are twisted together in reverse (Z) direction.

3.4 PHYSICAL REQUIREMENTS

3.4.1 Thread Size, range 70 +/- 6 Tex
(ASTM D 204-2)

3.4.2 Tensile Strength 45 N min
(ASTM D 204-2)

Date	Action	Revisions
2009 08 06	Revised	Updated per WSS-M8P5-A L. Schmalz, NA
1992 10 22	C10252543	Minor Changes, Released E
1992 03 11	C10199491	Released





WSD-M15H51-D
WSD-M15H51-E

3.4.3 Elongation at Break, range
(ASTM D 204-2)

15 - 30%

3.4.4 Twist, range
(ASTM D 204-2)

230-420 turns/m

5. SUMMARY OF REVISIONS

2009 08 06

Updated 3

Deleted 3.1 – 3.3

Moved 3.4 to 3.2

Moved 3.5 to 3.3

Moved 3.6 to 3.4

Deleted 3.7 - 5



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