

NAVISTAR, INC.		
Material, Parts, and Process Specifications (MPAPS)		NUMBER: MPAPS D-7088
		<i>Former Designation: TMS-7088</i>
TICKING, Mattress Cover		CURRENT REV No.: 1706
		DATE: JUNE 2017
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<i>This specification may involve hazardous materials, equipment, and procedures. This specification does not purport to address all of the safety issues associated with its use. The user is responsible to consult appropriate safety and health practices and to determine the applicability of regulatory limits prior to use.</i>		

1.0 APPLICATION

This specification covers three typical types of fabric mattress ticking which are suitable for use as covering for standard truck sleeper cab mattresses. Optional premium mattress ticking may be specified separately referencing only the performance requirements of this specification.

<u>Type I:</u>	Polyester/cotton/rayon
<u>Type II:</u>	Spun polyester
<u>Type III:</u>	Polyester filament/spun polyester

2.0 SCOPE

This specification covers the general requirements, property and performance requirements, quality, quality, qualification, source approval, and quality control for 3 types of mattress ticking.

2.1 Restricted Chemical Substances

Effective January 1, 2007, all product supplied to the requirements of this specification must comply with the requirements of the MPAPS B-50 specification.

3.0 REFERENCE DOCUMENTS

Unless otherwise specified the latest issue of all referenced standards shall apply. The following Specifications, Standards, and Regulations are referenced in this specification.

Quality System Standard ISO 9001 or TS-16949	CFR 29, Part 1910	ASTM D 1683
NAVISTAR Supplier Packing and Shipping Std. D-13	AATCC Technical Manual	ASTM D 751
NAVISTAR MPAPS P-9543	AATCC-30	FMVSS 302
NAVISTAR MPAPS P-9544	ASTM D 3884	
NAVISTAR MPAPS B-50		
NAVISTAR MPAPS GT-31		
NAVISTAR Engineering Design Std. A-16		

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4.0 GENERAL REQUIREMENTS

The following are typical construction and finished weight requirements. Final requirements shall be set by agreement between the material vendor, the fabricator and Navistar IPD.

4.1 Construction

Type I -	Warp: 36.0 ends/cm (92 end/in) of cotton rayon. Fill: 12.6 ends/cm (32 ends/in) of polyester
Type II -	Warp: 33.0 end/cm (84 ends/in) of spun polyester Fill: 11.8 ends/cm (30 ends/in) of spun polyester
Type III -	Warp: 9.5 ends/cm (24 ends/in) of polyester Fill: 6.3 ends/cm (16 ends/in) of spun polyester

4.2 Finished Weight

Type I -	Shall be 0.23 kg/m ² (6.9 oz/yd ²) minimum
Type II -	Shall be 0.2 to 0.22 kg/m ² (6.0 to 6.5 oz/yd ²)
Type III -	Shall be 0.15 to .19 kg/m ² (4.5 to 5.5 oz/yd ²)

4.3 Color

Shall be equivalent in color and pattern to samples approved by the Industrial Design Department at IPD.

4.4 Property and Performance Requirements

4.4.1 Tensile Strength

4.4.1.1 Method: ASTM D 751 Grab Method

4.4.1.2 Required

Types I and III - Warp/Fill: 665/290 N (150/65 lbf) minimum
Type II - Warp/Fill: 1265/710 N (285/160 lbf) minimum

4.4.2 Seam Strength

4.4.2.1 Method: ASTM D 1683

4.4.2.2 Required

Warp/Fill: 400/400 N (90/90 lbf) minimum; report thread type, stitch type and stitches per centimeter (inch).

4.4.3 Mildew Resistance

4.4.3.1 Method: AATCC-30, Sec. 2

4.4.3.2 Required

No objectionable odor

4.4.4 Colorfastness

4.4.4.1 Method: AATCC Test Method 8 Performed Wet and Dry

4.4.4.2 Required

Wet: AATCC Rating 4 minimum
Dry: AATCC Rating 5 minimum

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