

NAVISTAR, INC.		
Material, Parts, and Process Specifications (MPAPS)		NUMBER: MPAPS L-7067
		Former Designation: TMS-7067
TITLE:	Non-Woven Padding, Fiberbond	CURRENT REV No.: 1610
		DATE: Oct. 2016
WRITTEN/EDITED BY: D. Baker	APPROVED BY: R. Goluch	SUPERSEDES: Rev. 0108 – August 2001
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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 a high loft, non-woven padding of synthetic fibers (fiberbond) used for truck cushioning trim applications.

2.0 SCOPE

This specification covers the general requirements, property and performance requirements, quality, and inspection tests.

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 standards, specifications and regulations are referenced in this specification.

Quality System Standard QS-9000 (ISO 9001)	ASTM D 1117
CFR Title 29, Part 1910	FMVSS 302
NAVISTAR Supplier Packing and Shipping Std. D-13	
NAVISTAR Engineering Design Standard A-16	
NAVISTAR MPAPS P-9544	
NAVISTAR MPAPS B-50	

4.0 GENERAL REQUIREMENTS

Test requirements shall be based on material thickness of 9.7-12.7 mm (0.38-0.50 in).

4.1 Construction

This material shall contain a random blend of synthetic fibers which are chemically bonded with a thermoplastic binder, and it shall contain no lumps or slugs of either fiber or resin large enough to result in unsightly appearance of the finished product.

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4.2 Weight: 275-335 g/m² (8.1-9.9 oz/yd²).

4.3 Thickness: 9.7-12.7 mm (0.38-0.50 in) unless otherwise specified.

4.4 Property And Performance Requirements

4.4.1 Tensile Strength: ASTM D-1117 Grab Method

Machine Direction: 66.7 N (15 lbf) minimum.

Across Machine Direction: 66.7 N (15 lbf) minimum.

4.4.2 Compression Recovery

4.4.2.1 Method

Compress to specified thickness and temperature for one hour; measure recovery after ten seconds rest.

4.4.2.2 Required

Temperature	-1°C (30°F)	24°C (75°F)	54°C (130°F)
Original Compression	24-45%	40-60%	55-75%
Minimum Recovery	75%	75%	75%

4.4.3 Wicking Resistance

The padding shall show no evidence of wicking after immersion in water for one hour.

4.4.4 Flammability Resistance

Material and parts supplied to this specification shall conform to and be certified by the supplier to meet the requirements of the latest issue of the Federal Motor Vehicle Safety Standard #302 - Flammability of Interior Materials and MPAPS P-9544.

5.0 QUALITY

This material shall be a homogeneous mixture of fibers that are free from objectionable odor, have necessary flexibility to meet contour requirements, adequately bonded to prevent separation and be uniform in thickness during the entire period in which it is purchased to this specification. This product may be colored for the purpose of identification, but coloring must not interfere with other requirements of the specification.

6.0 QUALIFICATION

Engineering qualification of sources is required in advance of production shipments. Samples shall be accompanied by test data certifying that all requirements of the specification have been met. Suppliers shall submit samples for approval of finish, luster, color and appearance to the Navistar Industrial Design Group. Upon approval, styling master samples denoting the minimum level of acceptable appearance quality shall be developed and retained by the supplier and the quality department of each using NAVISTAR facility.

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