

NAVISTAR, INC.		
Material, Parts, and Process Specifications (MPAPS)		NUMBER: MPAPS L-6608
		Former Designation: TMS-6608
TITLE: Floor Mat, High Density Rubber or Vinyl, Sound Barrier		CURRENT REV No.: 1610
		DATE: Oct. 2016
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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 five types and five grades of either polyvinyl chloride or non-blooming, low migration rubber floor mats. These floor mats may or may not also be used as sound barriers.

1.1 Type I: Rubber mat with a colored pattern of polyvinyl chloride coated to the rubber stock.

1.2 Type II: Same as Type 1 except without the vinyl coating.

1.3 Type III: Solid polyvinyl chloride mat.

1.4 Type IV: Polyurethane floor mat.

1.5 Type V: TPO engine tunnel cover blanket.

1.6 Grade A: Low mass or sound requirements, typically used for dash or engine cover insulators.

1.7 Grade B: Mass requirements for medium sound transmission loss.

1.8 Grade C: Mass requirements for high sound transmission loss.

1.9 Grade D: Mass requirements for very high sound transmission loss.

1.10 Grade E: Mass requirements for very high sound transmission loss.

1.11 Grade Z: No sound transmission loss requirements.

Note: Existing drawings that specify Type I or II, without reference to Grades A, B, or C shall be provided to the requirements of Grade B. Exceptions are listed in Table 1.

2.0 SCOPE

This specification covers the general requirements, property and performance requirements, quality, quality control requirements, source approval and quality control.

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.

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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 <i>ISO 9001 or TS-16949</i>	CFR 29, Part 1910	ASTM D 412
NAVISTAR Supplier Packing and Shipping Std. D-13	CFR 49, Part 571.302	ASTM D 573
NAVISTAR MPAPS B-50	SAE J80	ASTM D 624
NAVISTAR MPAPS P-9543	ASTM G 154	FMVSS 302
NAVISTAR MPAPS P-9544	NAVISTAR MPAPS GT-31	

4.0 GENERAL REQUIREMENTS

4.1 Mass Requirements

Mats shall have the following mass per area requirements. Variations in thickness and specific gravity to meet mass requirements are permissible by agreement between the vendor and the following NAVISTAR disciplines: Manufacturing, Product Design, Noise and Vibration, and Materials Engineering.

<u>Grade</u>	<u>Min Mass kg/m² (lbs/ft²)</u>	<u>Thickness mm (in)*</u>	<u>Specific Gravity*</u>
A	3.9 (0.80)	3.2 (0.125)	1.28 ± .05
B	4.9 (1.00)	3.2 (0.125)	1.60 ± .05
C	6.1 (1.25)	3.6 (0.141)	1.75 ± .05
D	7.3 (1.50)	4.7 (0.185)	1.90 ± .05
E	9.1 (2.00)	6.4 (0.250)	3.20 ± .05
Z	2.4 (0.50)	2.2 (0.085)	1.48 ± .05

* Provided for reference only, as examples of combinations that meet the mass requirements.

4.2 Dimensions

4.2.1 Base Stock

Shall be either 2.79 ± 0.13 mm (0.110 ± 0.005 in) or 3.56 ± 0.13 mm (0.140 ± 0.005 in) thick as specified.

4.2.1.1. These stock thicknesses represent mass values of approximately 4.9 kg/m² (1 lbm/ft²) and 6.1 kg/m² (1.25 lbm/ft²) respectively.

4.2.2 Vinyl Film (Heel Pad) - If required, Type I only.

0.15 mm (0.006 in) minimum thickness unless otherwise specified.

4.2.2.1 If 0.08 mm (0.003 in) vinyl film is specified, film may be flow coated instead of laminated, depending upon the pattern or finish required.

4.2.3 Vinyl Coating - Type I only.

0.08 mm (0.003 in) minimum thickness.

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