

DURABILITY



Sheet and Roll Technical Data

MATERIAL: Thermoset fiber reinforced masticated rubber.

DESCRIPTION: A highly durable, flexible, and resilient fiber-reinforced masticated thermoset rubber available in sheet or rolled form. Commonly used by converting companies to die cut automotive and heavy truck components. Additional uses include load restraint

shipping pads, industrial and athletic flooring, horse trailer wall liners, and load bearing pads. Syamar® sheet and roll products are ideal for service in areas that can reach up to 70°C (158F).

RECYCLED CONTENT: Post Consumer: 43% tire-derived. Post Industrial: 40% tire plant scrap.

	ROLL TOLERANCES		SHEET TOLERANCES	
LENGTH	up to 800 feet (gauge dependant)	±5 feet	48", 61" and 100"	-0", +1"(25.4mm)
WIDTH	43", 49" and 52"	-0", +1"(25.4mm)	43", 49", 52" and 60"	-0", +1"(25.4mm)
THICKNESS	0.080"(2mm), 0.100"(2.5mm), 0.125"(3.2mm)	±0.020"(0.5mm)	0.080"(2mm), 0.100"(2.5mm), 0.125"(3.2mm)	±0.020"(0.5mm)
	0.187"(4.8mm)	±0.025"(0.64mm)	0.187"(4.8mm)	±0.025"(0.64mm)
	0.250"(6.4mm), 0.312"(7.9mm)	±0.030"(0.76mm)	0.250"(6.4mm), 0.312"(7.9mm)	±0.030"(0.76mm)
	0.375"(9.5mm)	±0.035"(0.89mm)	0.375"(9.5mm)	±0.035"(0.89mm)
	0.500"(12.7mm)	±0.045"(1.14mm)	0.500"(12.7mm)	±0.045"(1.14mm)
	0.625"(15.88mm)	±0.062"(1.57mm)	0.625"(15.88mm)	±0.062"(1.57mm)
	0.750"(19.1mm), 1.0"(25.4mm)	±0.094"(2.39mm)	0.750"(19.1mm), 1.0"(25.4mm)	±0.094"(2.39mm)

PHYSICAL PROPERTIES ORIGINAL PHYSICAL PROPERTIES	TEST METHOD	SPEC MMSP8252		RESULT	
Tensile Strength, Min.	ASTM D412, Die C	MD: 5.2 MPa TD: 2.5 MPa	MD: 754 PSI TD: 363 PSI	MD: 5.3 MPa TD: 3.0 MPa	768 PSI 435 PSI
Tear Strength, Min.	ASTM D624, Die B	MD: 26.4 kN/m TD: 52.5 kN/m	MD: 150 PI TD: 300 PI	MD: 35 kN/m TD: 60 kN/m	200 PI 342 PI
Elongation, %, Min.	ASTM D412, Die C	MD: 15 TD: 40		MD: 18 TD: 50	
Hardness, Shore A	ASTM D2240	82 ±5		78	
Specific Gravity	ASTM D297 sec. 16.3	N/A		1.18	
Ozone Resistance	ASTM D518 "B"	Application specific		Application specific	
Low Temperature Resistance	ASTM D2137 @ -40°C	Non-brittle		Pass	

MD = Machine Direction; TD = Transverse Direction

PHYSICAL PROPERTIES HEAT AGED	TEST METHOD ASTM D573, 70H @ 70°C	SPEC	RESULT
Tensile Strength, Change % Max.	ASTM D412, Die C	± 25	-15
Elongation, Change %, Max.	ASTM D412, Die C	± 25	-20
Hardness, Change Pts. Max.	ASTM D2240	± 10	+4

Note: The above results are obtained from a representation of a typical batch of materials. Batch to batch variation is expected in a normal process. NRI Industries Inc. makes no representations or warranties and there are no conditions with respect to the accuracy, reliability, or applications of the information contained herein, its products or the safety or suitability thereof, or results obtained, whether expressed or implied, including, without limitation, any implied warranty or merchantability or fitness for a particular purpose. Buyers and users must determine the results to be obtained from the application of the information herein and the safety and suitability of NRI's products for their own purposes and assume all risk, responsibility, and liability for all injuries, losses, or damages arising from the application of the information or use of NRI's products, whether or not occasioned by NRI's negligence or based on strict product liability. NRI neither assumes, nor authorizes any person to assume for it, any liability in connection with the use of the information contained herein or its products.

INDUSTRY SPECIFICATIONS MET

- GM3805 • Ford WSS-M2D492-A1 • Ford ESA-M2D119A • Chrysler MSEE26A
- International TMS 6008 • Kenworth R026-170-38 • Freightliner 48-02408-012
- Freightliner 48-02408-019 • Freightliner 48-02408-025 • MMSP8048, MMSP8252