

SYMAR® SAYS

# DURABILITY



## Symar 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 cargo restraint mats, industrial and athletic flooring, agricultural matting, load bearing pads, and acoustic control underlay. Symar® sheet and roll products are ideal for service in areas that can reach up to 70°C (158F).

**RECYCLED CONTENT:**

Post Consumer: 49% tire-derived  
Post Industrial: 41% tire plant scrap

**INDUSTRY SPECIFICATIONS:**

- 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

	ROLL TOLERANCES		SHEET TOLERANCES	
<b>LENGTH</b>	up to 800 feet (gauge dependant)	±5 feet	48", 61" and 100"	-0", +1"(25.4mm)
<b>WIDTH</b>	43", 49" and 52"	-0", +1"(25.4mm)	43", 49", 52" and 60"	-0", +1"(25.4mm)
<b>THICKNESS</b>	0.080"(2mm), 0.100"(2.5mm)	±0.020"(0.5mm)	0.080"(2mm), 0.100"(2.5mm)	±0.020"(0.5mm)
	0.125"(3.2mm)	±0.020"(0.5mm)	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)	TEST METHOD	SPEC MMSP8252		RESULT	
Tensile Strength, Min.	ASTM D412, Die C	MD: 5.2 Mpa	MD: 754 PSI	MD: 5.3 Mpa	768 PSI
		TD: 2.5 Mpa	TD: 363 PSI	TD: 3.0 Mpa	435 PSI
Tear Strength, Min.	ASTM D624, Die B	MD: 26.4 kN/m	MD: 150 PI	MD: 35 kN/m	200 PI
		TD: 52.5 kN/m	TD: 300 PI	TD: 60 kN/m	342 PI
Elongation, %, Min.	ASTM D412, Die C	MD: 15		MD: 18	
		TD: 40		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

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**CUSTOMER SERVICE:**

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