

Masticated Rubber

Description:

This material is a highly durable, flexible, resilient fiber-reinforced masticated thermoset rubber made from 49% tire-derived post consumer rubber and 41% tire plant scrap. It is commonly used 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.

Typical Physical Properties

Specification	Test Method	Typical Results
Tensile Strength	ASTM D412, Die C	MD: 754 psi min TD: 363 psi min
Tear Strength	ASTM D624, Die B	MD: 150 PI TD: 300 PI
Elongation	ASTM D412, Die C	MD: 15% min TD: 40% min
Hardness, Shore A	ASTM D2240	82 ± 5
Specific Gravity	ASTM D297 sec. 16.3	Application Specific
Ozone Resistance, Tear Strength <i>Across Grain</i>	ASTM D518, 50 hrs @ 38°C in 80 pphm ozone concentration	200 PI min
Low Temperature Resistance	ASTM D2137 @ -40°C	Non-brittle, Pass
Temperature Range		-40° to 120°C
Heat Aged <i>Tensile Change</i> <i>Elongation Change</i> <i>Hardness Change</i>	ASTM D573, 70h @ 70°C ASTM D412, Die C ASTM D412, Die C ASTM D2240	± 25% max ± 25% max ± 10 max
Flammability	FMVSS 302	Pass

MD = Machine Direction; TD = Transverse Direction

Industry Specifications

Ford WSS-M2D492-A1
Ford ESA-M2D119A
Chrysler MSEE26A
International TMS 6008
Kenworth RO26-170-38
Freightliner 48-02408-012
Freightliner 48-02408-019
Freightliner 48-02408-025
GM3805

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