

# MASTICATED RUBBER PHYSICAL PROPERTIES



**MATERIAL:** Fiber-reinforced masticated rubber

**RUBBER CONTENT:** Rubber compound consisting of reclaimed, recycled, natural, and/or synthetic rubbers

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PROPERTY	TEST METHOD	UNITS	REQUIREMENTS	
Color	N/A	-	Black	
No Silicone	N/A	-	Silicone Free	
Density	ASTM D297-13	g/cm <sup>3</sup>	0.9 - 1.3	
Hardness	ASTM D2240-05	A scale	75-85	
Ultimate Elongation With Grain Min.	ASTM D412-06a	%	15	
Ultimate Elongation Across Grain Min.	ASTM D412-06a	%	40	
Tensile Strength Ultimate with Grain Min.	ASTM D412-06a	MPa (psi)	5.2 (754)	
Tensile Strength Ultimate across Grain Min.	ASTM D412-06a	MPa (psi)	3 (437)	
Tear Strength Die B with Grain Min.	ASTM D624-00	kN/m (lbf/in)	26.25 (150)	
Tear Strength Die B across Grain Min.	ASTM D624-00	kN/m (lbf/in)	52.5 (300)	
Abrasion Resistance 1000 Cycle w/ CS17 Wheel Max.	ASTM D4060-10	mg	120	
Tear - With Grain	ASTM D1149-12	kN/m (lbf/in)	26.25 (150)	
Tear - Against Grain	ASTM D1149-12	kN/m (lbf/in)	26.25 (150)	
No Cracks Using 7x Magnification	ASTM D1149-12	kN/m (lbf/in)	No Cracks	
Low Temperature Brittleness @ -40C Method C	ASTM D2137-11	-	Non-Brittle in Both Directions using 7x Magnification	
Flammability - Maximum Burn Rate 100 mm/mm	FMVSS 302	mm/mm	100 Max.	
Weather Resistance 6 wks of N Indiana or Ill Exposure	ASTM D1171	-	100% Quality Retention	
Hardness % Shore A Pts Max.	ASTM D573-04	%	+/-10	
Ultimate Elongation With Grain Max.	ASTM D573-04	%	+/-25	
Ultimate Elongation Across Grain Max.	ASTM D573-04	%	+/-25	
Tensile Strength Ultimate with Grain Max.	ASTM D573-04	%	+/-25	
Tensile Strength Ultimate across Grain Max.	ASTM D573-04	%	+/-25	
Tear Resistance With Grain Max.	ASTM D573-04	%	+/-25	
Tear Resistance Across Grain Max.	ASTM D573-04	%	+/-25	
Surface Condition	-	-	Non-Brittle in Both Directions	
Dimensional Tolerances				
Dimensional Tolerances	Thickness Nominal Size		Tolerances	
	mm	Inch	mm	Inch
Thickness	3.2	1/8"	± 0.5	± 0.020"
	4.8	3/16"	± 0.6	± 0.025"
	over 5.0	over 3/16"	± 0.8	± 0.030"
Width & Length	Width & Length		mm	Inch
	mm	Inch	mm	Inch
rev. 6-26-18 pas-b2	0-100	4.00"	± 1.0	± 0.040"
	101 - 250	4.01" - 10.00"	± 1.25	± 0.050"
	over 251	over 10.01"	± .5%	± .5%