

SHEET RUBBER PROPERTIES

Ratings are in decreasing order

Excellent, Good, Fair, Poor

PHYSICAL PROPERTIES

		BUNA N	EPT	NATURAL	NEOPRENE	POLY-URETHANE	SBR	SILICONE	VITON	HYPALON
APPROX WEIGHT	m2/3.2 mm Thick	4 kg 7.3 lbs	4.2 kg 7.5 lbs	3.3-8 kg 6-9 lbs	4.7-5 kg 8.4-9 lbs	3.7 kg 6.75 lbs	4 kg 7.2 lbs	4.2 kg 7.6 lbs	6.2 kg 11.1 lbs	4.8 kg 8.6 lbs
	Duro Range A Scale	55-65 (A)	55-65 (A)	35-85(A)	50-70(A)	35-70D	35-80(A)	30-80(A)	40-80(A)	50-90(A)
Specific Gravity Approx.		1.25	1.2	1.1	1.23	1.3	1.24	1.1-1.4	1.9	1.1
Tensile Strength Mpa		5.5-6.5	6.2	3.4-16.5	5.2-9.6	20.7-55.1	4.1	3.4-6.9	13.8-55.2	17.5
PSI		700-950	900	500-2400	600-1400	3000-8000	900	500-1000	1200-1800	1500
Elongation %		400-550	500	300-700	250-400	250-800	500	150-350	200	250
Compression Set		Good	Fair	Good	Fair-Good	Excellent	Good	Good-Excellent	Excellent	Fair
Electrical Resistivity		Poor	Excellent	Excellent	Fair-Good	Good	Excellent	Excellent	Good	Good
Gas Impermeability		Good	Good	Good	Good	Good	Fair	Fair	Good	Excellent

RESISTANCE PROPERTIES

MECHANICAL	Impact	Fair	Good	Excellent	Good	Excellent	Excellent	Poor-Fair	Fair-Good	Good
	Abrasion	Good	Good	Excellent	Good-Excellent	Excellent	Excellent	Poor-Good	Good	Good
	Tear	Good	Fair	Good-Excellent	Good	Excellent	Fair	Poor-Good	Good	Fair
	Minimum Brittle PT	-40°C (-40°F)	-56.7°C (-70°F)	-56.7°C (-70°F)	-40°C (-40°F)	-40°C (-40°F)	-56.7°C (-70°F)	-73°C (-100°F)	-30°C (-22°F)	-51°C (-60°F)
TEMPERATURE	Maximum	135°C (275°F)	135°C (275°F)	100°C (212°F)	135°C (275°F)	WET 80°C(176°F) DRY 120°C(248°F)	100°C (212°F)	260°C (500°F)	230°C (446°F)	125°C (257°F)
	Heat Aging @ 212°F	Good	Excellent	Good	Good	Poor-Good	Good	Excellent	Excellent	Good
	Flame Resistance	Poor-Fair	Poor	Poor	Good	Poor-Fair	Poor	Fair-Good	Fair-Good	Good
	Weather	Good	Excellent	Fair	Excellent	Excellent	Fair	Excellent	Excellent	Excellent
	Oxidation	Fair-Good	Good	Good	Good	Excellent	Good	Excellent	Excellent	Excellent
	Ozone	Poor	Excellent	Poor	Good	Excellent	Fair	Excellent	Excellent	Excellent
	Radiation	Fair-Good	Poor	Fair-Good	Fair-Good	Good	Good	Good-Excellent	Fair-Excellent	Good

AVAILABILITY

Finish	Smooth	Smooth	Smooth	Smooth	Smooth	Smooth	Smooth	Smooth	Smooth	Smooth
Thickness mm	1.6-12.7	1.6-6.35	1.6-76.2	0.8-76.2	On Request	1.6-25.4	0.8-12.7	0.8-11.1	1.6-6.35	
Inches	1/16"-1/2"	1/16"-1/4"	1/16"-3"	1-32"-3"	On Request	1/16"-1"	1/32"-1"	1/32"-7/16"	1/16"-1/4"	

TOLERANCE ON THICKNESS

THICKNESS		Tolerance	
mm	IN	mm + -	IN + -
0.79	1/32"	0.3	0.012"
1.59	1/16"	0.4	0.016"
3.18	1/8"	0.51	0.020"
4.76+6.35	3/16"+1/4"	0.79	0.031"
9.53	3/8"	1.19	0.047"
12.7	1/2"	1.19	0.047"
15.88	5/8"	1.59	0.062"
19.5	3/4"	2.38	0.094"
25.4	1"	2.54	0.100"

TOLERANCE ON WIDTH

WIDTH		TOLERANCE	
mm	IN	mm	IN
915 + over	36" + Over	+25.4	+1"
		-12.7	-1/2"