

Description	Property	Hardness, Asker C	Specific Gravity	Density (kg/m3)	Tensile Strength (kg/cm2)	Ultimate Elongation (%)	Tear Strength (kg/cm)	Split Tear (kg/cm)	Compression Set (%)	Temperature Range (f) Low to High	Shrinkage (%)	Rebound(%)	Accelerated Aging (24 hours at 70C)
	Test Method	ASTM D2240	ASTM D297	ASTM D 3575	ASTM D 412	ASTM D 412	ASTM D 624	BS 5131	ASTM D 395	70 C, 40mins	70 C, 40mins	ASTM D 2632	ASTM D1140
	Tolerance	2C +/-	0.02 +/-	Minimum	Minimum	Minimum	Minimum	Minimum	Maximum	Maximum	Maximum		Without cracking
35 Asker C		35+/-2C	0.19	0.19	15	330	8.4	1.5	78	70 C	5.1	60	pass
40 Asker C		40+/-2C	0.20	0.20	17	300	8.7	1.6	78	70 C	5.1	57	pass
45 Asker C		45+/-2C	0.22	0.22	20	280	11.5	2.1	65	70 C	5.0	53	pass
50 Asker C		50+/-2C	0.22	0.22	20	230	10.7	2.0	66	70 C	2.8	50	pass
55 Asker C		55+/-2C	0.22	0.22	22	250	13.1	2.2	66	70 C	2.3	49	pass
60 Asker C		60+/-2C	0.22	0.22	28	250	15.1	2.2	58	70 C	2.1	47	pass
65 Asker C		65+/-2C	0.22	0.22	28	200	15.2	2.3	51	70 C	0.4	36	pass
75 Asker C		75+/-2C	0.22	0.22	26	200	14.4	2.5	52	70 C	0.2	32	pass
Medical	Including 0.7% antiseptic	50+/-2C	0.18	0.18	27	236	12.8		68	70 C	5.0	53	pass
Shock Absorbing	Including 70Phr absorbing material	26+/-2C	0.16	0.16	15	246	4.3		56	70 C	1.6	8	pass
High Resilience	Including 90Phr elastic material	43+/-2C	0.18	0.18	20	257	8.2		44	70 C	8.9	70	pass
Flame Retardant	Test by UL-94HBF	48+/-2C	0.17	0.17	18	233	6.7		65	70 C	0.5	42	pass

Sample Thickness requirement

10mm

block shape

block shape

3mm

3mm

3mm

3mm

10mm

10mm

10mm

10mm

10mm

10mm