The Material Choice Guide To Select Rubber Compound

Compounds	Natural Rubber	Neoprene	EPDM	Silicone	Nitrile	SBR	Viton	Hypalon
Properties								
Hardness (Shore A)	40-95	40-95	40-95	40-80	40-95	40-90	50-95	40-90
Temperature Range	-45 to 210 F	-50 to 260 F	-35 to 250 F	-150 to 550 F	-40 to 260 F	-50 to 215 F	-40 to 500 F	-35 to 250 F
Max Tensile Strength PSI	3500-4000	2500-3000	2500-3000	2000	1000-3500	2000-2500	2000	3000
Max Elongation %	500-600	600-800	500-600	600-800	400-600	450-500	300	500
Electrical Insulation	E	N	E	E	B	G	G	G
Moisture Resistance	G	G	E	G	N-G	G	E	G
Resilience	E	G	G	E	N-G	G	B	B
Flame Resistance	B	E	B	G	B	B	G	G
Ozone Resistance	B	E	E	E	B	N	E	E
UV Resistance	G	G	E	E	G	N	E	E
Abrasion	E	E	G	B	G	G	G	E
Tear Resistance	E	G	G	B	N-G	N	N	N
Acid Resistance (Concentrated)	N	G	G	B	G	N	E	E
Solvent Resistance	B	G	N	B	B	B	E	G
Oil Resistance	B	G	B	N	E	B	E	G

E - EXCELLENT

G - GOOD

N - NORMAL

B - BAD

The information above is only offered as a guide .