



The Home Rubber Company

P.O. Box 878 • Trenton, NJ 08606

In NJ 609-394-1176 • Out of State 800-257-9441



ELASTOMER PROPERTIES

Ranges of Elastomer Properties which may be attained through specific compounding.

	Natural Rubber Polyisoprene	SBR Styrene / Butadiene	EPDM Nordel*	Chlorobutyl	Butadiene	Poly-Chloroprene Neoprene*	Nitrile Buna N	XNBR
ASTM D2000 Designation	AA	AA, BA	CA	AA, BA	AA	BC, BE	BF, BG, BK, CH	BF, BG, BK, CH
Durometer Range	20-100	40-100	30-100	30-100	30-100	20-90	30-100	50-100
Max. Reinforced Tensile (PSI)	4000	3500	3000	3000	3000	4000	4000	3000
Max. Reinforced Elongation (%)	650	600	600	850	650	600	650	600
Max. Service Temp. (°F)	180	225	290	275	212	212	250	250
Min. Service Temp. (°F)	-65	-65	-90	-65	-80	-65	-65	-65
Tear Resistance	VG	G	F	G	G	G	G	VG
Abrasion Resistance	E	VG	VG	G	E	VG	VG	E
Biodiesel Resistance	P	P	P	P	P	P	G	F
Oil Resistance	P	P	P	P	P	G	E	E
Water Swell Resistance	VG	VG	VG	VG	F	G	VG	VG
Weather Resistance	F	F	E	VG	F	G	P	P
Ozone Resistance	P	F	P	E	P	G	F	F
Electrical Insulation	E	F	VG	VG	G	G	F	F
CHEMICAL RESISTANCE								
Sulfuric Acid Dilute / Concentrated	F/P	F/P	G/G	G/G	F/P	G/P	P/P	P/P
Mineral Oil	P	P	P	P	P	G	E	E
Naptha	P	P	P	P	P	F	F	F
Toluene	P	P	P	P	P	P	P	P
Gasoline	P	P	P	P	P	G	E	E
OXYGENATED SOLVENTS								
Ethyl Alcohol	E	E	E	E	E	E	E	E
Ethyl Acetate	P	P	G	G	P	F	P	P
Methyl Ethyl Ketone	P	P	G	G	P	P	P	P

* Trademark of DuPont

CODE:

E - Excellent **VG** - Very Good **G** - Good **F** - Fair **P** - Poor

The above information is from sources we regard as reliable. Since use conditions are not within our knowledge or control the use of this data is at the responsibility and discretion of the user without obligation or liability of any sort on the part of Home Rubber Company.



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	HNBR	Millable Urethane	Silicone	Fluorosilicone	Fluoroelastomer Viton*	CPE	Chlorosulfonated Polyethylene Hypalon*	Acrylate
ASTM D2000 Designation	BF, BG, BK, CH	BG	FC, FE, GE		HK	BC, BE, CE	CE	DF, DH
Durometer Range	50-100	35-100	20-95		55-90	60-90	50-95	40-100
Max. Reinforced Tensile (PSI)	3000	5000	1500		3000	1500	4000	2500
Max. Reinforced Elongation (%)	600	750	900		400	500	500	400
Max. Service Temp. (°F)	300	212	450		450	250	270	325
Min. Service Temp. (°F)	-65	-65	-120		-65	-40	-40	-40
Tear Resistance	VG	E	P		F	F	G	F
Abrasion Resistance	E	E	P		G	G	VG	G
Biodiesel Resistance	G	P	P	P	E	P	P	
Oil Resistance	E	E	F		E	G	G	VG
Water Swell Resistance	VG	E	F		E	VG	G	VG
Weather Resistance	G	E	E		E	E	E	G
Ozone Resistance	G	E	E		E	E	E	E
Electrical Insulation	F	F	E		E	G	F	F
CHEMICAL RESISTANCE								
Sulfuric Acid Dilute / Concentrated	F/F	F/P	P/P/		E/E	E/G	G/G	P/P/
Mineral Oil	E	E	G		E	F	G	E
Naptha	G	F	P		E	F	P	G
Toluene	F	F	P		E	F	P	P
Gasoline	E	E	P		E	G	G	
OXYGENATED SOLVENTS								
Ethyl Alcohol	E	F	E		E	E	E	P
Ethyl Acetate	F	P	G		P	F	F	P
Methyl Ethyl Ketone	F	P	G		P	P/F	P	P

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