



G-M-I, INC.

G-M-I® RUBBER COMPOUND PHYSICAL PROPERTIES SYNOPSIS

Typical Values

Rubber Duro	COLOR* Per ASTM →	DUROMETER Shore A	Durometer D-2240	Specific Gravity Lb/ft ³ D-297	Tensile Strength PSI D-412	Elongation % D-412	Compression Set % D-395	Tear Resistance PPI D-624 Die B	Temp Range Min/Max °F (°C)	Water Immersion Vol % Chg D-471
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NBRs (Nitrile/Buna-N), Sulfur Cured

50	All	50+/-5	50	1.40	1083	784	47	118	-20/230 (-29/110)	+4.0
70	All	70+/-5	70	1.33	1451	381	39	214		+2.0

EPDMs (Ethylene-Propylene-Diene-Monomer), Peroxide Cured

50	All	50+/-5	50	1.12	1126	503	37	178	-20/230 (29/110)	+4.0
70	All	70+/-5	71	1.18	1544	494	28	215		+2.0

EPDMs (Ethylene-Propylene-Diene-Monomer), Sulfur Cured

50	All	50+/-5	50	1.13	1193	553	44	118	-20/230 (-29/110)	+4.0
70	All	70+/-5	70	1.19	1410	341	40	155		+3.0

VMOs (SILICONE), Peroxide Cured

50	All	50+/-5	50	1.17	1324	610	21	92	-65/400 (-54/204)	0.0
70	All	70+/-5	72	1.20	1068	209	7	76		0.0

VMOs (SILICONE), Platinum Cured

50	PLATINUM	50+/-5	51	1.18	1210	683	25	229	-76/400 (-60/204)	+0.5
80	PLATINUM	80+/-5	79	1.20	1165	694	24	225		+0.1

FKMs (Fluoroelastomer/Viton®**), Bisphenol Cured

55	ALL	55+/-5	59	1.86	1269	297	6	26	0/400 (0/204)	+5.0
70	ALL	70+/-5	72	1.94	2050	207	6	26		+3.0
90	ALL	90+/-5	90	2.32	1501	150	9	26		+4.0

*Color: A = Gray, B = Black, C = Clear, G = Green, K = Khaki (Tan), L = Purple, N = Brown, O = Orange, P = Platinum, R = Red, T = Translucent, U = Blue, W = White and Y = Yellow. Standard color is Black.

** Viton is a registered trademark of DuPont Performance Elastomers.

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