YAMAMOTO CORPORATION

Physical Properties Comparison Table

YAMAMOTO Closed Cell 100% CR (Neoprene) Foam Rubber

		Type #20	Type #38	Type #39	Type #45	Type #50	Type #88
		PRODIVE	STANDARD	SUPERLIGHT	PRO	PRO-X	COMPRESSED
DENSITY (Spec. Gravity g/cm3)		0.18	0.17	0.13	0.21	0.23	2.15
INSULATION (Calories/cm/sec)		6.5×10^{-5}	6.80×10^{-5}	7.72×10^{-5}	6.3×10^{-5}	6.2×10^{-5}	2.86×10^{-5}
MODULUS (kg/cm2)	**50%**	0.53	0.43	0.31	0.38	0.42	0.76
	100%	1.44	1.30	0.85	0.87	0.91	1.86
	200%	3.20	2.80	2.15	2.30	2.50	4.80
	300%	5.21	4.80	4.05	4.23	4.64	6.24
ELONGATION (break point)		490%	513%	520%	720%	710%	312%
COMPRESSION RESISTANCE							
50% load (kg/cm2)		2.76	2.2	1.78	2.81	3.02	4.98
Distortion (mm)		0.37	0.45	0.55	0.38	0.39	0.21
Restoration		99.8%	99.8%	96.1%	99.8%	99.8%	100.0%
WATER ABSORPTION (by weight)		0.40%	0.30%	0.30%	0.35%	0.36%	0.20%
OZONE RESISTANCE (120 hours)		No Crack	No Crack	No Crack	No Crack	No Crack	No Crack
OIL RESISTANCE							
Weight Variation		8.4%	8.6%	8.7%	8.4%	7.9%	5.3%
Volume Variation		1.8%	2.0%	2.3%	1.7%	1.6%	1.1%