



Material Data Sheet

Material ref: E1276

Description: EPDM70 Durometer/Peroxide Cure/NSF61 Approved

Meets: ASTM D2000 M4CA710 A25 B35 C32 F19 EA14 Z1 Z2

	Test Method	Unit of Measure	Nominal Value	Obtained Value
Hardness	ASTM D2240	Shore A	70+/-5	73
Tensile Strength	ASTM D 412C	PSI	1450 min	1950
Ult. Elongation (Z1)	ASTM D412C	%	150	177
B35 Compression Set 22 hours at 125C 25% max deflection	ASTM 395B	%		9
Z2-Compression Set 22 hours at 125C AS568-214 o-ring	ASTM 395B	%		22.1
A25 Heat Resistance 70hrs @ 125C	ASTMD865			
Hardness Change		Shore A	+10 max	+2
Tensile Change		%	-20 max	-9
Elong. Change		%	-40 max	-10
C32 Ozone Resistance	50PPHm, 20% stretch 70 hrs @ 40C (ASTM D1171)		no cracks	pass
F19 Low Temperature Resistance	ASTM D2137 A non brittle 3 min @ -55 C		Pass	Pass
EA14 Water Resistance 70 hrs @ 100C	ASTMD471			
Volume change, %		%	+/-5	+3.9

