



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

