



**MATERIAL DATA SHEET**

Material ref: E1274

Typical Properties

	Test <u>Method</u>	Unit of <u>Measure</u>	Nominal <u>Value</u>	Obtained <u>Value</u>
<b>Hardness</b>	ASTM D2240	Shore A	70+/-5	73
<b>Tensile Strength</b>	ASTM D 412C	n/mm2 (Mpa)		15
<b>Ult. Elongation</b>	ASTM D412C	%		214
<b>Specific Gravity</b>	ASTM D1817	G/cm3	1.17+/- .03	1.18
<b>Compression Set</b> 22hrs @ 150C	ASTM 395B	%		8.5
<b>Compression Set</b> 70hrs @ 100C	ASTM 395B	%		11
<b>Air Aging</b> <b>70 hrs @ 100C</b>	ASTM D573			
Hardness Change		Shore A		+4
Tensile Change		%		-10
Elong. Change		%		-5
Volume Change		%		-1
<b>Dot 4 Brake Fluid</b> <b>70hrs @ 125C</b>	ASTMD573			
Hardness Change		Shore A		-6
Tensile Change		%		-16
Elong. Change		%		-18
Volume Change		%		+2
<b>Dot 4 Brake Fluid</b> <b>7 days@23C</b>	ASTM D471			
Volume change		%		0
<b>Ozone Resistance</b> <b>Concentration</b> <b>200 pphm</b> <b>50% elongation</b>				no cracks
Low Temperature Brittleness	ASTMD2137 A	Degrees C		-60

*Test data is derived from ASTM slabs and buttons. Not on actual parts.*