

Compound Reference: E76B

**COMPOUND DATA SHEET**

POLYMER TYPE: EPDM

EPDM

SPECIFICATION:

BS EN 681-1 Type WA Potable Water

WRAS APPROVAL No.:

1511505

ASTM SPECIFICATION:

ASTM 2000M 709 4AA A13 B13 C12 EA14 F17

**TYPICAL PROPERTIES**

PROPERTY	SPECIFICATION	RESULT
<b>Hardness (shore A)</b>	65 - 75	71
<b>Tensile Strength (MPa)</b>	9 min.	10.8
<b>Elongation at Break (%)</b>	200 min.	330
<b>Compression Set (22hrs at 70c)/%</b>	20 max.	16.7
<b>Compression Set (70hrs at 23c)/%</b>	15 max.	9.1
<b>Compression Set (72hrs at -10c)/%</b>	50 max.	35.1
<b>Stress Relaxation (%) 7 Days @ 23c</b>	16 max.	10.3
100 Days @ 23c	23 max.	17.3
<b>Water Absorption (%) 7 Days @ 70c</b>	+8 / -1	+3
<b>Ozone Test</b> (20% Strain / 40°C / 48hrs / 50pphm)	No Cracks	No Cracks
<b>Accelerated Aging (168hrs @ 70c)</b>		
Change in Tensile (%)	-20 max.	-9.7
Change in Elongation @ Break (%)	+10 / -30	-13.9
Change in Hardness (IRHD)	+8 / -5	+4
<b>Temperature Range (°C)</b>		
Operational Temperature		-30 / +110
<b>Air &amp; UV Resistance</b>		Good
<b>Electrical Resistance</b>	3 x 10 <sup>3</sup> min. To 10 <sup>6</sup> per m	2 x 10 <sup>4</sup>
In Accordance with BS 2050:1978 Table 1 Item 10, Electrical Requirements for Hospital Products		