

**Flexi-Cell** | DATA SHEET

**Grade - EP100/A1**

**Black Closed Cell EPDM/CR Sponge.**

Requirement/Specification	Specification Limits	Typical Value
<b>Size - skin/skin (mm)</b>	2000 x 1000 x 54 (+/- 4)	
<b>Compression @ 25% Deflection (kPa) ASTM D1056-00</b>	15 TO 35	30
<b>Compression Deflection @ 50% (kPa) ASTM D1056-00</b>	80 - 160	92
<b>Density (kg/M<sup>3</sup>) ISO 845-95</b>	100 +/- 20	105
<b>Compression Set (50%22h20°C ) ASTM D1056-00</b>	25% Max.	22.1%
<b>Water absorption, max. change in weight (%) ASTM D1056-00</b>	10	1.4
<b>Heat Ageing, Change in Compression Deflection, 168 hrs @ 70°C</b>	+ / - 30%	PASS
<b>Flammability FMVSS 302</b>	Burn Rate < 100mm	PASS
<b>Elongation at Break (%) ISO 1798-7</b>	N/A	>180
<b>Tensile Strength (KN/M<sup>2</sup>) ISO 1798-7</b>	N/A	> 200
<b>Temperature Range (Low - High)</b>	N/A	-40 TO + 70 °C.
<b>High Intermittent</b>	N/A	+90 °C.
<b>Resistance to Air + UV</b>		EXCELLENT
<b>Resistance to Oil</b>		POOR
<b>Resistance to Acids</b>		GOOD
<b>Environmental Protection</b>	CFC AND HFC FREE / CAN BE RECYCLED	
<b>Specification</b>	ASTM D1056-00 AFNOR 99-211	2A1 B3C 2CO4/2C08 B3 C2

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