

**PU24CN**  
**Black Polyether 24kgs/m<sup>3</sup> - Conductive Foam**  
**Technical Datasheet**

ITEM	PROPERTY	REQUIREMENT	TEST METHOD
1	Foam Type	Polyether polyurethane foam impregnated with flexible conductive latex N/A	
2	Density kg/m <sup>3</sup>	24 minimum	BS 4443 Pt 1 Method 2
3	Tensile Strength kPa	70 Minimum	BS 4443 Pt 1 Method 3A
4	Elongation @ Break %	100 minimum	BS 4443 Pt 1 Method 3A
5	Loss in Tensile Strength After Heat Ageing (%)	30% Max Loss	BS 4443 Pt 1 Method 3A 140°C for 16 hours
6	Loss In Tensile Strength After Humidity Ageing (%)	30% Max Loss	BS 4443 Pt 1 Method 3A 105°C for 3 hours
7	Compression Set (50% Compression)	30% Max Loss	BS 4443 Pt 1 Method 3A
8	Volume Resistivity (ohms/m)	250 Maximum	BS 2044 Method 3 (100 Volts)
9	Surface Resistance (K ohms)	<20	Megger BM201 (100 Volts)
10	Compression Deflection at 50% Compression	3.3 kPa (typical Value)	BS 4443 Pt1 Method 5A