



### TECHNICAL SPECIFICATION

<b>Product</b>	LV Rubber Insulation Material		
<b>Composition</b>	Ethylene-Propylene-Diene-Monomer (EPDM)		
<b>Colour</b>	Black		
<b>Part/material number</b>	6EPDM		
<b>General Description</b>	A high grade, synthetic rubber roll or ground mat used by Network Technicians & Contractors. Retains a higher temperature and chemical rating than natural or neoprene rubber. Good electrical insulation qualities and properties that suit an environment requiring higher temperature resistance, extreme weather resistance, combined with relative lightness and flexibility. <b>Suitable for use as either a portable rubber mat or to be rolled out in front of switchboards for a more permanent insulation solution. The mats are available in standard 900 by 900mm square sizes, cut to size or on a roll.</b>		
<b>Chemical Properties</b>	The EPDM has good compatibility with acids, caustics, ketones, alcohols, esters and hot and cold water. It has unsatisfactory compatibility with most oils, gasoline, kerosene, aromatic and aliphatic hydrocarbons & halogenated solvents.		
<b>Electrical Properties</b>	<b>Value</b>	<b>Units</b>	<b>Standard</b>
Maximum use	650	Volts	AS-2978
Tested to	15000	Volts	AS-2978
Conforms with	AS-2978	Class A	AS-2978
<b>Mechanical Properties</b>	<b>Value</b>	<b>Units</b>	<b>Standard</b>
Specific Gravity	1.25	g/cm <sup>3</sup>	-
Tensile strength	12.1	Mpa	ASTM-D412
Tear strength	37.8	N/mm	AS-1683.12
Elongation	650	%	ASTM-D412
Compression	<10	%	AS-1683.12
Puncture resistance	63.4	N/mm	AS-2978
Hardness	55	Shore	ASTM-2240
Temperature range	-45° to 125°C	Degrees Celsius	-
Material roll size	12000 x 1200 x 6	mm	-

\*Please note, one marking per length of material only.

\*\*Typical values only.