



### TECHNICAL SPECIFICATION

<b>Product</b>	HV 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 Operators & 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	17000*	Volts	ASTM D178
Tested to	20000	Volts	ASTM D178
Dielectric Breakdown	30000	Volts	ASTM D149
Conforms with	ASTM D178	Class 2 Type II A/B	ASTM D178
<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
Elongation	650	%	ASTM-D412
Tension set	<12	mm	ASTM-D412
Moisture absorption	<1.5	%	ASTM-D570
Hardness	55	Shore	ASTM-2240
Temperature range	-45° to 125°C	Degrees Celsius	-
Material roll size	12000 x 1200 x 6	mm	-

\*Phase to Phase.

\*\*Typical values only.