



### 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>	10EPDM		
<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 1000 by 1000mm 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	26500*	Volts	ASTM D178
Tested to	30000	Volts	ASTM D178
Dielectric Breakdown	40000	Volts	ASTM D149
Conforms with	ASTM D178	Class 3 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	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	10000 x 1000 x 10	mm	-

\*Phase to Phase.

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

\*\*\*Typical values only.