



TECHNICAL SPECIFICATION

Product	LV Insulation Material		
Composition	Ethylene-Propylene-Diene-Monomer (EPDM)		
Colour	Dual Layer Yellow/Blue		
Part/material number	2EPDM		
General Description	A high grade, dual layer rubber insulation material. It is sold in rolls, cut-to-size and also manufactured into an array of low voltage Velcro Line Covers. These finished products are used as LV barriers and PPE to insulate Network Operators & Contractors from live conductors and power lines in low voltage environments. Includes a fibre reinforcement to increase physical strength. High visibility dual layer safety feature, allows for easy scratch detection. Excellent ozone, UV and weathering resistance. Retains a higher temperature and chemical rating than natural or neoprene rubber. A higher temperature rating and flexibility than PVC. Good electrical insulation qualities and properties that suit an environment requiring higher temperature resistance or overall temperature stability combined with relative lightness and flexibility.		
Chemical Properties	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.		
Electrical Properties	Value	Units	Standard
Maximum use	650	Volts	AS-4202
Tested to	5000	Volts	AS-4202
Conforms with	AS-4202	Class II	AS-4202
Mechanical Properties	Value	Units	Standard
Specific Gravity	1.25	g/cm ³	-
Tensile strength	10.5	Mpa	BS903 A2
Tear strength	13.25	N/mm	AS-1683.12
Puncture resistance	33	N/mm	AS-4202
Elongation	630	%	BS903 A2
Hardness	51	Shore	ASTM-2240
Temperature range	-45° to 125°C	Degrees Celsius	-
Material roll size	12000 x 1200 x 2	mm	-

*Typical values only.