



20 Plysil

Silicone Rubber Tape

Technical Data Sheet

October 2017

Description and Features	<p>20 Plysil is a self-amalgamating, chemically cross-linked silicone rubber tape, triangular in cross-section and featuring a centreline for precise half-lapping. Track and erosion resistant, 20 Plysil® fuses into a solid mass within minutes of application. 20 Plysil® employs no adhesive coating, offering a non-contaminating self-cleaning surface which maintains a high tracking resistance</p> <ul style="list-style-type: none"> • Unique triangular cross-section • Self-amalgamating • 180 °C temperature rating • UV resistant • Oil resistant • Center line for half-lapping guide 			
Materials	Backing	Adhesive	Color	Standard Size
	Silicone	none	Grey, Black	Width x Length 25 mm x 9,1 m (1 in. x 30 ft.) Other sizes available upon request
Technical Properties	Characteristic	Typical Value		Test Method
	Thickness (mm)			
	Peak	0,51		ASTM D 2148
	Edge	0,18		ASTM D 2148
	Breaking strength (MPa)	4,0		ASTM D 412
	Elongation at break (%)	300		ASTM D 412
	Fusion (2,0 mm max.)	No flag		ASTM D 2148
	Copper Corrosion (visual)	none		ASTM D 69
	Dielectric strength (kV/mm)	24		ASTM D 2148
	Dielectric Constant	3,0		ASTM D 150
	Dissipation Factor	0,002		ASTM D 150
	Track Resistance (h)	1000		ASTM D 2132
	Volume Resistivity (Ohm.cm)	3x10 ¹⁴		ASTM D 257
Recommended Uses	For jacketing of high voltage terminations on extruded dielectric cables through 69000 volts. For insulating high temperature silicone insulated cables. A positive oil stop in the construction of transition splices.			
Storage	In original packaging, placed in horizontal position under cover and temperature between 5°C and 35 °C.			
Shelf Life	60 months from date of manufacture.			

Information provided is for reference only. Data in table represent average test results and are not to be used for specification purposes. The product user should make his/her own tests to determine the product's suitability for the intended use

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