


**DATA SHEET OF T.V.E. 19.70**

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CODE	OUR TYPE	DETAILS
17	T.V.E. 19.70 	<p>SILICONE RUBBER COATED FIBERGLASS SLEEVING</p> <p>CLASS C 200 °C</p> <p>OPERATING TEMPERATURE: from -50 °C to +200 °C continuous</p> <p>TEMPERATURE INDEX AT 20.000 h : 221 °C</p> <p>FLEXING AT LOW TEMPERATURE, MAXIMUM: -35 °C</p> <p>IMQ CERTIFICATION :</p> <ul style="list-style-type: none"><li>- DIELECTRIC STRENGTH: HIGH (KV.4): N.CA1.00179</li><li>- DIELECTRIC STRENGTH:MEDIUM (KV.2,5): N.CA1.00178</li><li>- DIELECTRIC STRENGTH:LOW (KV.1,5): N.CA1.00177</li></ul> <p>IN CONFORMITY WITH: - CEI 15-65 - <b>IEC 684-3</b> - <b>UL STD 1441</b></p> <p>FLAME CLASSIFICATION SELF-EXTINGUISHING</p>

T.V.E. 19.70 is a braided fiberglass sleeve uniformly coated with silicone rubber.

This kind of sleeving is manufactured with different electric strengths varying from 1,000 to 10,000 Volts.

Our mass-production, which is available at any time, includes KV 1.5, 2.5, 4.

The mechanical properties of the post-cured silicone rubber are the following. The tests have been done on specimen without fiberglass sleeving, conditioned by exposure for 24 hours at room temperature and after a heat ageing of 4 weeks at 200 °C.(These last results are specified in ( ).

The data presented in this leaflet are in accordance with the present state of our knowledge, but do not absolve the user from carefully checking all supplies immediately on receipt. Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the product for a particular purpose

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- Tear resistance (ASTM D 624 B)	N/mm	7,8	
- Tensile strenght (DIN 53504 S1)	N/mm <sup>2</sup>	5	(4,25)
- Elongation at break (DIN 53504 S1 )	%	400	(180)
- Shore A Hardness (DIN 53505)	units	38	(35)
- Impact resiliane (DIN 53512)	%	70	

The electrical properties of the post-cured silicone rubber are the following. The tests have been done on specimen without fiberglass sleeving, conditioned by exposure for 24 hours at room temperature and after a heat ageing of 4 weeks at 200 °C.(These last results are specified in ( ).

- Dielectric strenght (silicone rubber) (VDE 0303)	kv/mm	20	(20)
- Dielectric constant (VDE 0303)	E 60 Hz	3,2	
- Dissipation factor (VDE 0303)	tan d 60 Hz	140.10 <sup>-4</sup>	
- Volume resistivity (VDE 0303)	ohm.cm	3.7 - 10 <sup>14</sup>	

The principal applications are in insulating electrical connections, motor leads, transformers leads, components and connections in appliances, instruments and all types of electrical apparatus.

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