

EXTRUDED SILICONE RUBBER SLEEVING CLASS H

Size	Bore (mm)	Wall Thickness	V proof 20°C (kv)	V proof 180°C (kv)	R Insulation (MΩ)
1	1	0.5 +0.2) - 0.0)	5	3.5	100,000
2	2	0.5 +0.2) - 0.0)	5	3.5	100,000

NB. Inner bore tolerance $\pm 0.01\mu\text{M}$

CURED COMPOUND

The data refers to stocks cured as indicated and tested according to BS 903 where applicable.

Cure: Press cure 10 minutes at 120°C and 24 hours oven cure at 250°C.

MECHANICAL PROPERTIES

Hardness (°B.S.)	70±5
Tensile Strength M PA (1b/in ²)	6.2 (900)
Elongation at Break (%)	230
Tear Strength N (lb)	28(8)
Compression Set 24 hrs at 150°C (%)	20
Linear Shrinkage (%)	3.2
Brittle Point (°C)	-65
Operating Temperature Range (°C)	-65 to +180

OIL RESISTANCE (Typical Test Results)

The following data was obtained on sheets cured for 4 hrs at 200°C and immersed in oil for 70 hrs at 150°C.

ASTM No. 1

Change in Hardness (°B.S.)	-4
Change in Tensile Strength (%)	0
Change in Elongation at Break (%)	-20
Volume Increase (%)	5

ELECTRICAL PROPERTIES (Typical Test Results)

The following data was obtained on sheets cured for 24 hours at 250°C.

Electric Strength V/mil (KV/mm)	420 (17)
Permittivity (1 MHz)	3.2
Power Factor (1 MHz)	1×10^{-3}
Volume Resistivity (ohm cm) Dry	3×10^{15}
Wet	2×10^{15}

STORAGE

E315 series elastomers should be stored in clean covered containers at temperatures below 38°C (100°F).

FLAMMABILITY

No Flammability rating given but will ignite between 350-400°C giving off small quantities of Carbon Dioxide and Carbon Monoxide with solid residues of Silicone Dioxide and Silica.

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