

## SP85 High Temp (8.5mm i/d) x 1.0mm wall Black Silicone Sleeves



Product: Silicone  
Works Order: Extrusion N/A

Date: 2022  
Material: 100% Peroxide Silicone Rubber

SPH85-1.0-0-CLS BLACK

Unless otherwise indicated on individual product specification details, all products are manufactured from base materials designed to meet or exceed the internationally recognized standards below.

- FDA (Food and Drug Administration, United States) Code of Federal Regulation, 177.2600 "Rubber Articles Intended for Repeated Use"
- WRAS – BS 6920 – Base Material Certification
- USP Class VI (Medical) – Base Material Certification, if tested

### Material Analysis

Material Grade Properties Tested Postcured for 4 hours at 200C SHORE A	<u>PEROX60</u> Standard Silicone 60sh Test Method	Typical Results
TENSILE - N/mm <sup>2</sup>	DIN 53 505	60 +/-5
ELONGATION - %	DIN 53 504 S1	11
TEAR B - N/mm	DIN 53 504 S1	440
SPECIFIC GRAVITY	ASTM D624 B	24
REBOUND - %	DIN EN ISO 1183-1 A	1.15
COMPRESSION SET - %	DIN 53 512	56
	DIN ISO 815-B	31
	DIN ISO 815-1 type B method A, 22 hours at 175C	
HIGH TEMPERATURE GRADE (Minimum/max working Temperature)		-40C / +300C

#### Dielectric properties:

Dielectric strength (2 mm thickness), kV/mm, approx.	24
Dielectric constant at 1 MHz, approx.	2.9
Dissipation factor at 1 MHz, approx.	1.2 10 <sup>-3</sup>
Transversal resistivity, Ohm.cm, approx.	3.7 10 <sup>16</sup>
Strike-over voltage, kV, approx.	48
THERMAL CONDUCTIVITY W/m/K	100c = 0.2 – 0.2