



advanced innovation technology



Manufacturers of specialist silicone products and high performance silicone turbo & coolant hoses

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## Mandrel Built Silicone Hose

### Introduction:

SFS Performance silicone hoses are constructed from silicone rubber and reinforced with layers of knitted polyester or aramid fabric. The silicone compound meets or exceeds the requirements of SAEJ20R1. The pigments have been specifically developed to ensure vibrant colours that last.

Silicone rubber has many benefits over conventional black rubber hoses such as:

- Temperature range of -60°C to +180°C (aramid reinforced -60°C to +220°C)
- Resistant to coolant solutions
- Excellent resistance to ozone
- Excellent resistance to oxidation
- Excellent resistance to ultraviolet light,
- Resistant to cracking, peeling and ageing.

Standard wall thickness 3.5mm to 5.5mm depending on bore size and the number of layers.

Pressure ratings are dependant on hose size and shape. Minimum working pressure of 2 bar.

### Specific data on silicone compound:

Type	(AFNOR T 40002)	MVQ
Hardness	Shore A	65
Tensile Strength	MPa	7.65
Elongation at Break	%	300
Tear Strength	N/mm	14.5
Compression Set 22 Hrs @ 175 °C	%	33.5
Specific Gravity		1.17

### Heat Stability: (properties after heat ageing 10 days at 200 °C)

Hardness, approx	Shore A	69
Tensile Strength	MPa	5.7
Elongation at Break	%	167.5
Tear Strength	N/mm	9.5

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