

Hose Data Sheet



SILICONE – POLYESTER HOSE

Description:

Silicone elastomer hoses of various shapes with polyester fabric reinforcement having an upper temperature capability of 170°C.

For higher temperature rated hoses please refer to the aramid reinforced hose data sheet.

Reinforcement is from two to five plies of medium duty knitted polyester fabric depending on the chosen diameter and expected severity of the service conditions.

A “rubber only” liner is used to prevent the leakage which could otherwise occur due to exposed fabric on the inside of the hose. Hoses are available in our standard colours of Blue, Black, Red, or Yellow and special colours can be supplied depending on quantity. Surface finish is shiny gloss for straight lengths and cut pieces, with a choice of gloss or semi-matt cloth finish for elbows and reducers.

Typical applications are vehicle cooling systems, cold side intercooler air hoses, and general industrial use within the temperature range of -55°C to +170°C.

Helical wire reinforcement can also be incorporated if required for resistance to collapse under vacuum and for resistance to kinking at tight bend radii.

Polyester reinforced silicone hoses are constructed to meet the general requirements of SAE J20R1 or R4 HT CLASS A.

Hoses with integral helical wire reinforcement meet the general requirements of SAE J20R2 or R5 HT CLASS A.

Typical construction data:

Internal Diameters mm	Wall Thickness mm	Number of Reinforcement Plies	Minimum Burst Pressure (Typical) bar
6 to 10	3.4 mm +/- 0.2mm	2	28
13 to 35	3.9mm +/- 0.3mm	3	21 to 17
38 to 95	5.1mm +/- 0.4mm	4	17 to 10.5
102 plus	6.3mm +/- 0.5mm	5	10