

Hose Data Sheet



SILICONE – ARAMID HOSE

Description:

Silicone elastomer hoses of various shapes that use a peroxide vulcanising system, high temperature stable iron oxide pigmentation, meta-aramid fabric reinforcement and a silicone or fluorosilicone liner when necessary.

Typical applications are automotive turbocharger outlet, hot side intercooler hoses, and EGR connectors. They are also used in many industrial high temperature applications where they are suitable for use at working temperatures of up to 220°C and intermittent exposure up to 250°C.

Fluorosilicone lined hoses are generally specified for use on engines that have to meet Euro 3 and 4 emission levels and have crankcase oil mist recirculation. The fluorosilicone liner prevents oil permeation through the hose wall and subsequent hose failure

Please see separate data sheets for silicone and fluorosilicone physical properties. Reinforcement plies are heavy duty knitted or woven meta-aramid (otherwise known as Nomex® or Conex®) fabric depending on the hose type, diameter and expected severity of the service conditions.

Typical construction data:

Internal Diameters mm	Wall Thickness mm	Number of Reinforcement Plies
13 to 35	4.6mm +/- 0.3mm	3
38 to 95	5.8mm +/- 0.4mm	4