



sitcoflex teflon ptfe smooth bore hose

description

A smooth bore extrusion of polytetrafluorethylene (PTFE) covered with a layer of stainless steel (SS304) high tensile wire braid for pressure enhancement.

materials properties

PTFE is an engineering plastic resin in the Fluorocarbon group. PTFE an extremely low co-efficient of friction, excellent anti-stick properties, does not taste, smell, burn or age, and is not affected by UV light.

temperature range

-70 deg C to +260 deg C

pressure capability

The pressure ratings in this data sheet have been measured with the hose in a condition at 20 deg C with correct hydraulic style fittings crimp/swage attached using specifically designed crimp/swage sleeves.

In general, the stated working pressure applies throughout the temperature range.

nominal bores

Due to the extrusion forming process of manufacture, the nominal bores listed can vary by up to +/- 4% from stated.

supply lengths

Due to the required integrity of the PTFE core, Supply lengths for bulk hose ordered may be random.

end fittings assembly

Telflex can be fitted with standard hydraulic hose tail static style fittings in steel, brass or stainless steel, attached by mechanical crimping/swaging.

nominal bore		outside mm	working bars	pressure burst bars	bend radius mm	weight kg/M
inside mm	inches					
4.9	3/16	7.9	276	828	51	0.090
6.7	1/4	9.7	224	672	76	0.092
10.3	3/8	13.4	183	552	133	0.148
13.4	1/2	16.6	161	483	152	0.249
16.6	5/8	19.8	114	345	178	0.290
19.8	3/4	23.0	103	310	203	0.339
26.1	1	29.3	80	210	305	0.461