



Sitcoflex teflon ptfe corrugated bore hose

Description

A low profile helically corrugated polytetrafluorethylene (PTFE) hose tape reinforced
Covered with layer of stainless steel (SS304) high tensile wire braid for pressure enhancement.

The corrugations enable the SITCOFLEX hose to have A significantly smaller bend radius than the Teflex smooth bore, providing improved performance in applications involving sharp bends and vibrations.

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 tast, smell, burn or age, and is not affected by UV light.

Temperature range

-54 deg C to +204 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.

Supply lengths

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

End fittings assembly

Coteflex can be fitted with standard hydraulic hose tail static style fittings in steel, brass or stainless steel, attached by mechanical crimping/swaging, utilizing hose collars with PTFE inner sleeve.

Nominal bore		outside mm	working bars	pressure burst bars	bend radius mm	weight kg/M
inside mm	inches					
11.0	3/8	16.1	103	310	25	0.180
14.4	1/2	20.6	103	310	40	0.300
17.8	5/8	24.1	86	260	50	0.500
20.8	3/4	27.7	86	260	65	0.570
27.2	1	33.8	77	230	80	0.640
33.4	1 1/4	40.6	62	186	90	0.790
39.4	1 1/2	46.5	51	153	120	0.970
52.4	2	60.7	34	102	150	1.090