

KAPTECH

SMOOTH BORE PTFE HOSE ASSEMBLIES

PTFE 1000

- **Excellent chemical resistance**
Inert to all but a few uncommon chemicals.
- **Low flow-resistance**
Smooth low-friction tube gives the ultimate in flow capacity.
- **Self-cleaning**
The smooth, non-stick nature of the tube prevents product adhering to the tube wall.
- **Lightweight**
Around 60% of the weight of a typical rubber hose.
- **Durable**
Tough outer braid protects against abrasion and damage.
- **Heat-resistant**
Usable up to 230°C, dependent on specification and application details.
- **Sizes**
1/4" up to 1" nb.
- **Wide range of end fittings**
BSP, NPT, flanges, hygienic type, etc.



FS 28046



HOSE & COUPLINGS DIVISION

For capabilities and general technical data, see overleaf



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PTFE 1000 - SMOOTH BORE PTFE HOSE ASSEMBLIES

Standard Wall: For general purpose use, including high & low pressure steam, chemicals, paints, inks, adhesives, fuels, oils, detergents, refrigerants & some foodstuffs. Other styles of tube such as heavy wall and the American 'Dash' style hose are available to special order.

Anti-static: In addition to the standard translucent tube, PTFE 1000 is also available with an anti-static black PTFE tube. This is designed for applications where fluids with a high electrical resistance such as solvents & fuels are passed through the hose and allows the dissipation of any static charge in accordance with BS2050: 1978.

Braid Options:

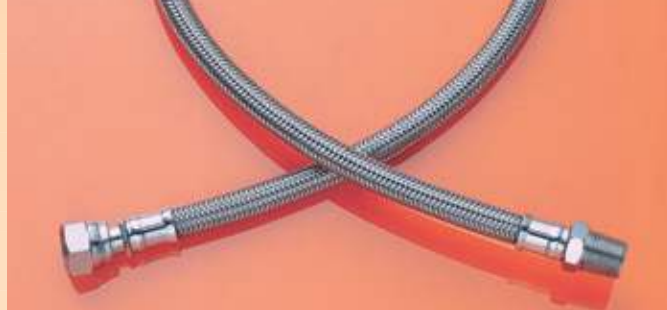
PTFE 1000 smooth bore PTFE is provided as standard with a single or double stainless steel braid, according to pressure rating. Other specialist braids and covers are available to special order.



Pressure Range: Pressure Ratings shown are for PTFE 1000 with standard wall hose and single stainless steel braid at ambient temperature. Pressure ratings above 100 bar only apply for the transfer of non-penetrating fluids. For versions with other tube and braid options, please consult Guyson Technical Department.

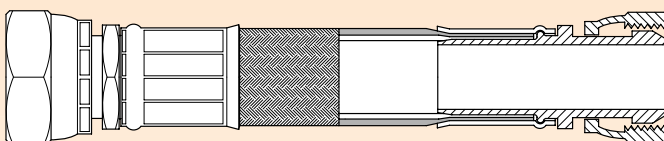
Temperature Range: Usable up to 230°C dependent on specification and application details, please consult Guyson Technical Department.

Other Kaptech PTFE hoses available include PTFE 3000 Visiflon convoluted (industrial applications), PTFE 4000 Hyperline FX smooth bore (industrial applications), PTFE 5000 Corroflon convoluted (process applications) and Bioflex smooth bore (process applications).



End Fittings.

PTFE 1000 hose assemblies can be fitted with all conventional types of end fittings. Standard types include BSP and NPT threaded fittings in zinc-plated mild steel and 316SS, and swivel flanges in mild steel and 304 or 316SS. Hygienic type end fittings are also available.



Although PTFE 1000 smooth bore hose assemblies are suitable for a wide range of applications, care should be taken not to exceed the indicated minimum bend radius given for each size of hose. For applications where continuous or severe flexing is required, especially in larger nominal bore sizes, PTFE 3000 Visiflon convoluted (industrial applications), PTFE 4000 Hyperline FX smooth bore (industrial applications), PTFE 5000 Corroflon convoluted (process applications) or Bioflex smooth bore (process applications) may offer a more suitable solution.

Standard Wall Hose

Stainless Steel Single Braid			
Bore Size	Minimum Bend Radius	Maximum Working Pressure	Weight Per Metre
Inches	mm	bar	kg
1/4	60	240	0.093
3/8	80	190	0.124
1/2	110	150	0.207
3/4	200	80	0.315
1	300	55	0.430



GUYSON INTERNATIONAL LIMITED **HOSE & COUPLINGS DIVISION**
 Southview Business Park, Guiseley, Leeds LS20 9PR Tel: 01943 870044
 e-mail: leeds@guyson.co.uk web: www.guyson.co.uk

