

TEXTILE PROTECTION

PT Textile Protection are especially suitable for hydraulics and pneumatics for the containment of single and multiple hoses. These sheaths have excellent resistance to mechanical stress, are compatible with many oils and organic products and their working temperature ranges from -40° to +100°C.

As concerns oil containment in the case of accidental hose burst, Flowfits PT Textile Protection Sheaths provide excellent shielding to oil squirts and this is confirmed by lab tests (Pin Hole Test) performed by bursting the hoses in accordance with SAE100 J343 Standard and comparing the state of the sheath before and after the burst.

A further verification of the resistance degree of Flowfits PT Textile Protection Sheath is the tensile stress at break test performed on the sheath in accordance with ASTM D885 Standard, comparing the result with traditional sheaths found on the market. Flowfits PT Textile Protection Sheaths feature a tensile stress value at break that is about 2 times that of conventional sheaths on the market today.

Flowfits PT Textile Protection Sheaths also have an excellent resistance to heat, proven by the Softening Point (150°C) and low thermal conductivity. The raw material used in the production of EC's PT Textile Protection Sheaths complies with RoHS 2 (2011/65/EU) European Directives.

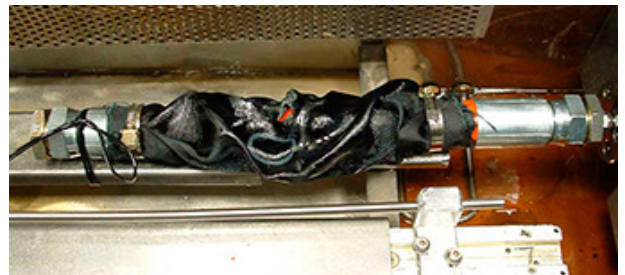
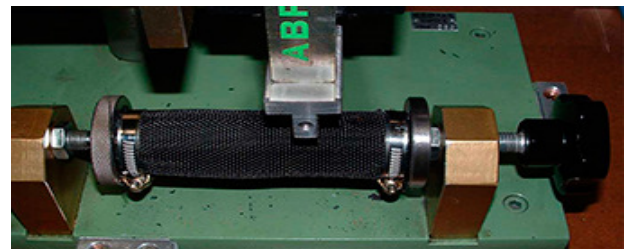
Working temperature:

From -40°C to +100°C
From -40°F to +212°F

Flowfits PT Textile Protection Sheaths are made of high toughness textile fiber and provide excellent resistance to abrasion. As shown by lab tests (see Fig. 1), the sheath exceeds 5000 test cycles in line with UNI ISO 6945 Standard.

Flowfits PT Textile Protection Sheath works as a barrier for the surrounding environment, without showing any structural failure. Therefore this sheath ensures a good degree of protection in the event of hose accidental breakage, in line with ISO 3457 standard.

Flowfits PT Textile Protection Sheath is UV-stabilized and has an excellent resistance to UVA aging. This sheath is therefore suitable for outdoor applications in the presence of sunlight and climatic agents. This characteristic has been tested in a climatic chamber by subjecting the sheath to UVA radiation for 720 hours at 50°C.



Article code	Width (mm)	Ø (mm)	Weight (g/m)
PT35	35	20	27
PT40	40	22	32
PT45	45	25	34
PT50	50	28	38
PT55	55	32	42
PT60	60	35	45
PT65	65	38	48
PT80	80	45	60
PT90	90	50	65
PT120	120	70	96
PT150	150	90	112