



FTPTX Pyrotex® sleeve

PYROTEX® PYROTEX® PYROTEX® PYROTEX® PYROTEX®

Description

Based on braided glass fibres, the Pyrotex® sleeve is covered with a thick layer of red silicone rubber. The red colour is due to the high content of Fe_2O_3 . The rubber reduces energy loss and has a good resistance to abrasion. It resists temperatures up to 260°C. The outer coating based on red silicone rubber provides a high level of resistance to abrasion and is used particularly to protect hydraulic cooling pipes, cables for electric circuits and for the movement and handling of highly superheated metals and molten slag. It protects workers from the risk of burning due to the intense heat given off by pipes containing molten metals in steel-works for the production of special steels. It is also excellent for reducing any energy loss thanks to the low coefficient of heat transmission.

Applications

Protection of cables, wires and hoses against extreme heat, fire protection, insulation of hoses against loss of heat for the steel and naval industries, industrial furnaces, automotive sector, foundries, steel works, oil rigs.

Standard sizes

diameter (mm)	rolls (m)	diameter (mm)	rolls (m)
10	15	51	15
12	15	57	15
16	15	63	15
19	15	70	15
22	15	76	15
25	15	82	15
28	15	89	15
32	15	95	15
35	15	102	15
38	15	114	15
41	15	128	15
44	15	-	-

Thickness of the wall of the sleeve after coating with silicone: from 3 to 5 mm according to the type of product and the diameter. Store in a dry place in the original packaging

Characteristics

Colour	white and red oxide outer layer
Diameter	10 - 128 mm
Operating temperature	260°C
Flame resistance	with Method US Fed. Spec. CCT 191 B after 7 seconds from extinction with no after-glow
Chemical resistance	resistant to hydraulic fluids, most acids, chemical substances, lubricant oils and fluids
Durability of resistance	No influence after 120 hours of treatment in Mill -1 -6082 and Skydrol 500 at 25 ° C
Combustibility	non-flammable

Chemical analysis (inner glass fibre layer only)

Aluminium oxide	Al_2O_3	12 - 16 %
Silicon oxide	SiO_2	52 - 56 %
Calcium oxide	CaO	16 - 25 %
Magnesium oxide	MgO	0 - 5 %
Boron oxide	B_2O_3	5 - 10 %
Alkali content	$Na_2O + K_2O$	0 - 1 %
Iron oxide	Fe_2O_3	0.05 - 0.4 %
Titanium oxide	TiO_2	0 - 0.8 %
Fluorine	F_2	0 - 1 %

Qualification based on specific testing

The Pyrotex® sleeve obtained certification from RINA Institute for the fire resistance test of hose assemblies and passed the SAE Aerospace Standard 1072 test for cable assemblies at specific pressures, and the SAE Aerospace 1055 B flame test.