



Product Highlights

- Operating temperature from -60°C to +950°C (-76°F to +1742°F)
- Up to +1100°C (+2012°F) peak temperature
- Expandable
- Lightweight
- Good radiation resistance
- Flexible

TST/TSX is a high temperature resistant, multifilament pure silica fibre (>99,8%) braided sleeving. It has a continuous working temperature of -60°C to +950°C.

TST sleeve is heat-treated to remove organic content. This heat treatment confers excellent thermal properties to the sleeving, thus offering an excellent thermal barrier against heat, fire, molten metal splashes and other projections.

The TSX sleeve has an additional impregnation disappearing above +300°C which prevents end fray and skin irritation when cut.

TST/TSX are both fireproof and radiation-proof.

TST/TSX are mainly used in the aircraft, railway, iron and steel, off-shore and nuclear industries.



Our manufacturing sites are certified ISO 9001, IATF 16949, or AS/EN 9100, ISO 14001 and ISO 45001 (Selected Sites)

Performance Data – TST/TSX

Property	Test Method	Result
Operating Temperature		-60°C to +950°C (-76°F to +1742°F) Up to +1100°C (+2012°F) peak temperature
Gamma Ray Resistance	3500 gray/h	Excellent resistance to gamma rays, Unaffected by UV & IR rays
Silica Purity		Silica fiber purity >99.8%
Fluid Resistance	EN 6059-303	Very good resistance to solvents Very good resistance to concentrated acids, except for hydrochloric & phosphoric acids
Flammability	FAR Part 25 § 853	Pass
Humidity Resistance		Moisture absorption <0.5%
Salt Spray Resistance	EN 2591-307 - 500 hrs.	Pass

All numeric performance data shows average or typical values. Please consult your sales representative for product drawings, test reports and OEM approvals.

Product Specifications

Longitudinal shrinkage should be taken into account when utilizing expansion properties of the sleeve

Commercial Part Number	Recommended Application Range mm (in)		Maximum Weight g/m (lb/ft)	Standard Packaging m (ft)
	Min Ø	Max Ø		
TST/TSX 0.5 - 9	0.5 (1/64")	0.8 (1/32")	2.1 (0.001)	200 (656')
TST/TSX 1 - 9	1 (1/32")	1.4 (3/64")	3.2 (0.002)	200 (656')
TST/TSX 2 - 9	2 (1/16")	2.4 (3/32")	4.2 (0.003)	200 (656')
TST/TSX 4 - 9	4 (1/8")	5 (3/16")	7.4 (0.005)	200 (656')
TST/TSX 6 - 9	6 (1/4")	7 (9/32")	11.6 (0.008)	200 (656')
TST/TSX 8 - 9	8 (5/16")	9 (11/32")	15.8 (0.011)	200 (656')
TST/TSX 10 - 9	10 (3/8")	11 (7/16")	21.0 (0.014)	200 (656')
TST/TSX 12 - 9	12 (7/16")	13 (1/2")	22.1 (0.015)	200 (656')
TST/TSX 14 - 9	14 (9/16")	15 (9/16")	25.2 (0.017)	200 (656')
TST/TSX 16 - 9	16 (5/8")	17 (11/16")	28.4 (0.019)	200 (656')
TST/TSX 20 - 9	20 (3/4")	21 (13/16")	35.7 (0.024)	100 (328')
TST/TSX 25 - 9	25 (1")	26 (1-1/32")	52.5 (0.035)	100 (328')
TST/TSX 35 - 9	35 (1-3/8")	36 (1-7/16")	80.9 (0.054)	100 (328')

Part Numbering System

Example	Product Name	Size	Color	Quantity
	TSX	4	9 (natural white)	100m

United States: (1) 800 926 2472 • México: (52) 442 101 8100 • Brazil: (55) 19 3116 1600

EMEA: (33) 3 44 39 06 06 • Japan: (81) 45 330 0300 • China: (86) 21 6182 7560

Southeast Asia: (66) 35 276 400 • Korea: (82) 44 861 6368 • India: (91) 124 4784565

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