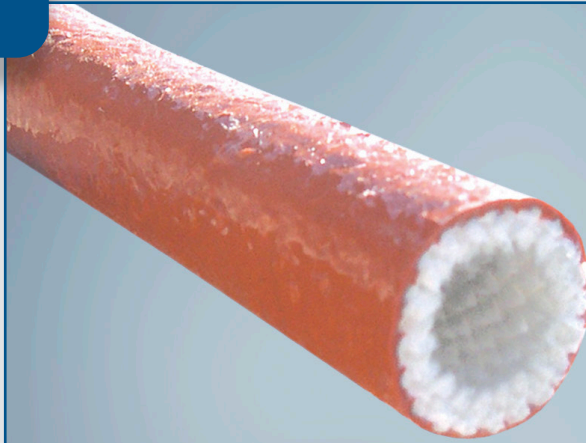


## Product Highlights

- Operating temperature  
-54°C to +260°C  
(-65°F to +500°F)
- Fire protection up to  
+1100°C (+2012°F) (15 min)  
+ 800°C (+1472°F) (30 min)
- Flexibility to -54°C (-65°F)
- EN 45545-2
- ASTM E-162  
ASTM E-662  
BSS 7239  
SMP 800-C
- Resistance to hydraulic fluids  
and lubricating oils



**Thermotubix®** is a thickwall braided fiberglass sleeving coated with a specially compounded, flame retardant silicone rubber. This product can be easily installed on cables and hoses and expands to pass over fittings and couplings.

Thermotubix grade offers an effective protection against sustained high temperatures, flames and molten metal splashes that can seriously damage electrical cables and hydraulic, gas and lubricant supply lines.

The construction of Thermotubix ensures an excellent fire protection for tubing up to +1100°C (+2012°F) peak temperature according to SAE-ASTM specifications.

This product provides thermal protection against internal and external hazards in a variety of industries, including aeronautics, naval, iron and steel, and automotive.

There is also a coated fiberglass tape, called Thermobande™, available. This is used for the fire protection of tubing after the fitting of end terminations.



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

# Performance Data – Thermotubix®

Property	Test Method	Result
Operating Temperature		-54°C to +260°C (-65°F to +500°F)
Low Temperature Flexibility	ASTM D-746	-54°C (-65°F)
Flammability/Toxicity/Smoke Density	ASTM D-350, Method B NF 16101-16102 DIN 5510-2 DB 54837 DIN EN ISO 5659-2 EN 45545-2 ASTM E 662 – ASTM E 162 SMP 800-C – BSS 7239	Not inflammable I2 FO S4, SR2, ST2 CIT 8 min : 0,036 ; FED 30 min : 0,031 R22 HL3 R23 HL3 > 64 mm R9 HL3 Pass Pass
Peak temperature		15 min. at +1100°C (+2012°F) 30 min. at +800°C (+1472°F)
Fluid Resistance	1 Hour soak in: Gasoline, Engine oil, Power Steering fluid, Transmission fluid, Coolant, Battery acid.	No cracking or degradation resulted from soak in any of the tested fluid.

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

## Product Specifications

Aerospace Thermotubix meets SAE Aerospace standard AS1072 type 2 for "Sleeve, hose assembly, fire protection". Aerospace Thermotubix allows appropriate hose assemblies by qualified manufacturers to meet SAE Aerospace standard 1055.

Commercial Part Number	Internal Diameter mm (in)	Wall Thickness mm (in)	NATO Specifications	Standard Packaging m (ft)
Thermotubix 6	6 (1/4")	4 (9/64")	—	30 (90)
Thermotubix 8	8 (5/16")	4 (9/64")	5970-14-455-2318	30 (90)
Thermotubix 9.5	9,5 (3/8")	4 (9/64")	5970-14-455-2322	30 (90)
Thermotubix 12.7	12,7 (1/2")	4 (9/64")	5970-14-455-2324	30 (90)
Thermotubix 16	16 (1/8")	4 (9/64")	5970-14-413-6212	30 (90)
Thermotubix 19	19 (3/4")	4 (9/64")	5970-14-413-6213	30 (90)
Thermotubix 22	22 (7/8")	4 (9/64")	5970-14-413-6214	30 (90)
Thermotubix 25	25 (1")	4 (9/64")	5970-14-413-6215	15 (50)
Thermotubix 29	29 (1-1/8")	4 (9/64")	—	15 (50)
Thermotubix 32	32 (1-1/4")	4 (9/64")	5970-14-413-6216	15 (50)
Thermotubix 38	38 (1-1/2")	4 (9/64")	5970-14-413-6217	15 (50)
Thermotubix 45	45 (1-3/4")	4 (9/64")	5970-14-413-6220	9 (30)
Thermotubix 51	51 (2")	4 (9/64")	5970-14-413-6221	9 (30)
Thermotubix 57	57 (2-1/4")	4 (9/64")	5970-14-413-6222	9 (30)
Thermotubix 64	64 (2-1/2")	4 (9/64")	5970-14-455-2328	6 (20)
Thermotubix 76	76 (3")	4 (9/64")	5970-14-455-2331	6 (20)
Thermotubix 89	89 (3,5")	4 (9/64")	5970-14-455-2332	6 (20)
Thermotubix 101	101 (4")	4 (9/64")	5970-14-455-2334	6 (20)

Commercial Part Number	Internal Diameter mm (in)	Wall Thickness mm (in)	NATO Specifications	Standard Pkg m (ft)
Thermobande 25	25 (1")	3 (1/8")	—	30 (90)
Thermobande 51	51 (2")	3 (1/8")	—	30 (90)
Thermobande 76	76 (3")	3 (1/8")	—	30 (90)
Thermobande 102	102 (4")	3 (1/8")	—	15 (50)
Thermobande 127	127 (5")	3 (1/8")	—	15 (50)
Thermobande 152	152 (6")	3 (1/8")	—	15 (50)

## Part Numbering System

Example	Product Name	Size	Color	Quantity
	Thermotubix	19	12 (red-iron)	30m (90ft)

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  
[www.systemsprotection.com](http://www.systemsprotection.com)



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THERMOTUBIX-GL(EN-A4)A