



4AC.042 Thread – Glass – PTFE

Overview

E-glass fibre stands out from other materials for its resistance to high-temperatures and its great electrical insulation properties. This rot-proof and dimensionally stable material also resists the main chemical agents, even with strong variations in humidity and temperature. Its flexibility allows the manufacture of strong sewing threads suitable for the assembly of heat protection as well as thermal, dielectric and chemical insulation. Coating the glass threads with PTFE facilitates their sewing. This coating breaks down at high temperature, leaving the glass fibre yarn bare.

Technical Data

Properties		Unit	Value		
Material			Glass		
Composition		%	SiO ₂ : 52-56 CaO: 16-25 Al ₂ O ₃ : 12-16	B ₂ O ₃ : 5-10 MgO: ≤ 5 Na ₂ O+K ₂ O: ≤ 1	F ₂ : ≤ 1 Fe ₂ O ₃ : ≤ 0.4 TO ₂ : ≤ 0.8
Temperature	Operating	°C	550		
	Peak		700		

General Data

Material	Thermal resistivity	Mechanical strength	Chemical resistance
Glass	★★★★★	★★★★★	★★★★★ Except for phosphoric and hydrofluoric acid

Available threads

Tex	Internal reference	Tex	Internal reference
70	On request	300	1TEX002657
140	On request	340	1TEX002655
170	1TEX002642 1TEX002653	350	1TEX002637
210	On request	420	On request
250	1TEX002644	430	1TEX002648

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