

4AC.097
Tape – Glass - Untreated

Overview

E-glass fibre is valued for its resistance to high temperatures and its electrical insulation properties. This rot-proof material can resist chemical agents and remains stable against humidity and temperature variations. While glass filaments with a diameter of less than 3 µm are respirable and can build up in the respiratory system, filaments bigger than 9 µm can irritate the skin. To prevent these risks, only fibreglass products made of filament between 6 and 9 µm are used.

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 tapes

Thickness (mm) \ Width (mm)	2	3	4	5
10	1TEX008395	On request	On request	On request
15	1TEX008400	1TEX017651	On request	On request
20	1TEX001732	1TEX001746	1TEX001760	1TEX001774
25	1TEX001733	1TEX001747	1TEX001761	1TEX001775
30	1TEX001734	1TEX001748	1TEX001762	1TEX001776
40	1TEX001735	1TEX001749	1TEX001763	1TEX001777
50	1TEX001736	1TEX001750	1TEX001764	1TEX001778
60	1TEX001737	1TEX001751	1TEX001765	1TEX001779
70	1TEX001738	1TEX001752	1TEX001766	1TEX001780
80	1TEX001739	1TEX001753	1TEX001767	1TEX001781
100	1TEX001740	1TEX001754	1TEX001768	1TEX001782
120	1TEX001741	1TEX001755	1TEX001769	On request
150	1TEX001742	1TEX001756	1TEX001770	On request
200	1TEX001743	1TEX001757	1TEX001771	On request
250	1TEX001744	1TEX001758	1TEX001772	On request
300	1TEX001745	1TEX001759	On request	On request

The tapes are untreated or available with a vermiculite finish or an adhesive side.

Vermiculite coating: This natural mineral is used as a coating on textiles. It enhances their resistance to abrasion and their ability to support peak temperatures.

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