

Woven Glass Fibre Tape 0.08, 0.15, 0.25mm

ABOUT THIS PRODUCT

This material is used for high temperature applications, mainly in the rotating machine industry



FEATURES AND BENEFITS

- High temperature resistance
- High tensile strength
- Good support of impregnation systems

APPLICATIONS

- Coil wrapping
- Rotating machines

MATERIAL DATA

Product Code	0.08 – 450; 0.15 – 451; 0.25 - 455
Material	Glass Fibre Yarn
Standard Colour	White
Thickness – mm	0.08, 0.15, 0.25
Operating Temperature – °C	180
Tensile Strength – N/mm	See technical data below

TECHNICAL TABLE

Properties		Unit	0.08 Nominal	0.15 Nominal	0.25 Nominal
Thickness		mm	0.08 ±0.01	0.15 ±0.02	0.25 ±0.03
Weight		g/m ²	110 ±10	152 ±15	270 ±27
Tensile strength		N/mm	33 ±5	37 ±5	62 ±5
Content glass fibres (E-glass)		%	≥ 99	≥ 99	≥ 99
Content binder end (Polyamide)		%	≤ 1	≤ 1	≤ 1
Weave structure			plain weave	plain weave	plain weave
Warp	Density	Threads/cm	30 ±2	23 ±2	29 ±2
	Material	Tex	22	34	68
Tracer	Middle tracer	Threads	2	2	2
	Material	Tex	22	34	34
	Colour		Blue	red	Green
Weft	Density	Threads/cm	15 ±1	9 ±1	10 ±1
	Material	Tex	5.5 x 2	34	34
Binder end		Threads	1	1	1
Material (Polyester yarn)		dtex	22	78	78
Finish			Silane	Silane	Silane
Sizing content (glass fibres)		%	≤ 1.5	≤ 2.5	≤ 1.5
Total ignition loss (1h 600°C)		%	≤ 2.5	≤ 2.5	≤ 2.5
Operating temperature (Class H)			180°C	180°C	180°C