

PRODUCT INFORMATION

WOVEN GLASS TAPE

PRODUCT DESCRIPTION

Woven Glass tape is produced from a plain weave of "E" glass yarns. It is normally supplied in "loomstate" with a controlled organic size treatment on the glass yarn to limit filamentation of the glass during application of the tape. Woven Glass tapes are characterised by high tensile strength, good resistance to chemicals and high temperatures. They can be identified by twin colour centre lines each separated by a warp thread. The centre line acts as an application guide and its colour denotes tape thickness.

APPLICATIONS

Woven glass tapes find application in all types of electrical equipment as finishing and consolidating tapes and in L.V machines as a major insulation layer. The woven tape finish provides an excellent substrate to promote good adhesion of coil resin finishes. It is also employed in power and communication cables as a fire barrier.

TYPICAL PROPERTIES

Product Design	Woven Glass Tape	
Specification	IEC 1067-3-1 : 1995 BSEN 6107-3-1 : 1995	
Thickness	0.09mm, 0.13mm, 0.23mm	
Tolerance		
0.09mm	-0.01	+0.02
0.13mm	-0.01	+0.04
0.23mm	-0.02	+0.05
Standard widths	13mm, 20mm, 25mm, 30mm, 50mm, 80mm, 100mm	
Tolerance		
Up to 25mm	± 1.0	
Over 25mm	± 1.5	
Tensile strength N/mm @ 20°C		
Thickness 0.09mm	25	
Thickness 0.13mm	30	
Thickness 0.23mm	45	
Thermal	Class C (220°C)	
Maximum short-term temperature	500°C	
Weave construction	Minimum	
	Warp ends / cm	Weft picks/cm
0.09mm	20	10
0.13mm	10	9
0.23mm	10	9
Centre identification line		
0.09mm	Blue/Blue	
0.13mm	Red/Red	
0.23mm	Green/Green	
Standard roll length	50 metres	

