

TECHNICAL DATA

VIDATAPE® PG

Woven Polyester/Glass Tape

DESCRIPTION

Woven tape with a special construction of plain weave polyester yarns in the warp and E-glass yarns in the weft.

At elevated temperatures, this construction allows up to 3% shrinkage in the longitudinal direction, with virtually no shrinkage in the width.

The use of polyester yarn in the warp virtually eliminates glass filamentation and as a result the tape is less likely to cause skin irritation to operators.

As a result of the glass content, Vidatape® PG can be used at higher temperatures than conventional woven polyester tapes and when employed in conjunction with a high temperature impregnant, Vidatape® PG is more than capable of Class F (155°C) operation.

APPLICATIONS

The Vidatape® PG range of woven tapes find application in all types of electrical equipment as finishing and consolidating tapes and also in low voltage machines as a major insulation layer.

The woven tape finish provides an excellent substrate to promote good adhesion of varnishes and resins.

Vidatape® PG is recommended as a replacement for conventional woven glass tapes where skin irritation is a particular hazard for operators, and as a replacement for conventional woven polyester tapes where a higher thermal rating is required.

PHYSICAL PROPERTIES

Standard thicknesses, IEC 61067-2	0.13mm
Tolerance on thickness, IEC 61067-2	+0.04mm - 0.01mm
Standard widths	13, 20, 25, 30, 38, 50mm (Others on request)
Tolerance on width <25mm	± 1.0mm
Tolerance on width >25mm	± 1.5mm
Tensile strength @ 20°C, IEC 61067-2	16 N/mm
Minimum warp ends/cm, IEC 61067-2	34
Weft picks/cm, IEC 61067-2	13
Centre identification lines	Red/Black
Area weight, IEC 61067-2	100 g/m ²
Temperature classification, IEC 60085	130°C (Class B)
Temperature classification (When impregnated with high temperature varnishes/resins)	155°C (Class F)
Maximum short-term temperature	180°C (Class H)
Standard roll length	50 metres (Others on request)
Standard centres	12mm cardboard (Others, including machine on request)

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