

# Vidatape GP



## **DESCRIPTION**

Woven tape with a special construction of plain weave 'E' glass yarns in the warp and polyester yarns in the weft. Vidatape® GP is given high glass loading in the warp direction to ensure maximum tensile strength and maintenance of this property at elevated temperatures. The use of polyester yarn in the weft virtually eliminates glass filamentation and as a result the tape is less likely to cause skin irritation to operators.

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

## **APPLICATIONS**

The Vidatape® GP 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® GP 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**

Specification	BS EN 61067-3-1:1995 & IEC 1067-3-1:1995
Standard thicknesses	0.09mm, 0.13mm & 0.23mm
Tolerance on thickness 0.09mm	+0.02mm - 0.01mm
Tolerance on thickness 0.13mm	+0.04mm - 0.01mm
Tolerance on thickness 0.23mm	+0.05mm - 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, 0.09mm thickness	25 N/mm
Tensile strength @ 20°C, 0.13mm thickness	30 N/mm
Tensile strength @ 20°C, 0.23mm thickness	45 N/mm
Minimum warp ends/cm, 0.09mm thickness	25
Minimum warp ends/cm, 0.13mm thickness	25
Minimum warp ends/cm, 0.23mm thickness	20
Weft picks/cm, 0.09mm thickness	14
Weft picks/cm, 0.13mm thickness	14
Weft picks/cm, 0.23mm thickness	10
Centre identification line, 0.09mm thickness	3 Blue lines
Centre identification line, 0.13mm thickness	3 Red lines
Centre identification line, 0.23mm thickness	3 Green lines
Temperature classification	155°C (Class F)
Maximum short-term temperature	200°C
Standard roll length	50 metres (Others on request)
Standard centres	12mm cardboard (Others, including machine on request)