



**DIAPOL VP  
BANDING TAPE**

**THERMAL CLASS H (180°C)**

DIAPOL VP banding tape is constructed from unidirectional twisted glass yarn, impregnated with a thermosetting polyester resin with high thermal resistance (200°C) and high humidity resistance. The resin is presented in B-stage and reacts with temperature and forms a solid and compact mass for a continuous working at 180°C.

**FIELD OF APPLICATION**

DIAPOL VP tape, with their easy applicability, their insulating and high tensile strength properties, is used as winding restraints on traction armatures and all other rotating electrical machines. It is also used for the banding of all types of transformers, and in situations where the high tensile strength and insulating properties of the glass yarns can be utilized.

**INSTRUCTIONS FOR USE**

It is recommended to wind DIAPOL VP with 50 to 100kg of tension per cm of tape. In order to achieve the best properties of the tape, it is recommended to heat the piece with the tape.

**Polymerization cures process:**

The cure process could be over 10h at 130°C or 5h at 145°C. It is important to highlight the tape do not react with temperatures below 110°C.

**TECHNICAL CHARACTERISTICS**

**For the supplied product:**

Grammage.....	0.57 ± 1 kg/m <sup>2</sup>
Number yarns x cm wide .....	30 ± 1
Thickness.....	0.33 ± 0.05 mm
Resin content.....	26±2%
Tensile strength .....	>2000 N/cm

**For the cured tape:**

Recommended curing cycle: 3 hours at 140°C	
Operating temperature .....	180°C
Tensile strength .....	>200 N/cm
Elongation at break .....	2%
Shrinkage .....	<10%

**STORAGE CONDITIONS**

24 Months at temperature of .....	10°C
18 Months at temperature of .....	15°C
12 Months at temperature of .....	20°C

**SUPPLY**

DIAPOL VP is supplied in rolls of 10, 20 and 30 mm wide x 200 linear meters.

November 2016

This information is bases on tests carried out in our laboratory. However, do not accept any responsibility for its application.