

## KREMICA.por K3002

### Composition

Dry and flexible tape, consisting of highly absorbent mica paper, reinforced with a PET-film by using a small amount of uncatalysed epoxy resin.

### Application

Main wall and overhang insulation of High and Low Voltage machine stator coils, where the complete winding is to be processed by VPI treatment using catalysed epoxy- or polyester-resin-systems. Final properties depend on the VPI tank resin type, VPI treatment and subsequent curing processes. Compatibility of the KREMICA.por K3002 tape resin with the VPI tank resin should be confirmed in advance of processing.

Properties	Units	K3002-14	K3002-15	Test method
Thickness	mm	0,14 ± 0,02	0,15 ± 0,02	IEC 60371-2
Total weight	g/m <sup>2</sup>	216 ± 22	238 ± 24	IEC 60371-2
Mica paper	g/m <sup>2</sup>	160 ± 16	180 ± 18	IEC 60371-2
PET-film	g/m <sup>2</sup>	42 ± 2	42 ± 2	IEC 60371-2
Resin content	g/m <sup>2</sup>	14 ± 4	16 ± 4	IEC 60371-2
Tensile strength	N/cm	> 35	> 35	IEC 60371-2
Stiffness at 20°C	N/m	< 60	< 60	IEC 60371-2
Breakdown voltage	kV	> 5,0	> 5,0	IEC 60371-2
Thermal class (dep. on VPI-resin)		155 (F)	155 (F)	IEC 60085
Shelf life (20°C, 50 % r.h.)	months	24	24	
<b>Availability</b>				
Standard widths	15, 20, 25, 30, 1000 mm, others on request			
Standard roll length	50 m, others on request			
Standard core	55 mm plastic, others on request (e.g. 76 mm, 25 mm Micafil, notches)			

All values stated are to be seen as typical values. We reserve the right to introduce changes within the framework of further technical development. We do not accept any obligations or liabilities in respect of this information. Status: 01/2009  
 KREMPPEL GmbH · Papierfabrikstrasse 4 · D-71665 Vaihingen / Enz · Tel. +49 (0) 7042 915-0 · E-mail: [info@krempel-group.com](mailto:info@krempel-group.com)