

## *Iso Varnished Terylene*

### **Composition:**

Iso Varnished Terylene is a flexible material which is produced from impregnating a woven polyester fabric with a high temperature electrical grade synthetic varnish. Iso Varnished Terylene can be supplied natural in colour or with the resin pigmented violet/yellow for identification purposes.

### **Application:**

Iso Varnished Terylene can be used in a variety of applications where a flexible high temperature tape exhibiting a high electric strength is required. Iso Varnished Terylene is commonly used for the insulation of winding joints and endwinding sections for form wound medium voltage machines. Iso Varnished Terylene is resistant to attack from water, brine solutions, dilute acids, dilute alkalis and transformer oil. Iso Varnished Terylene resists attack from conventional varnishes and resins which are applied using VPI, trickle and dip operations. Prolonged exposure to certain solvents/diluents can induce swelling of the coating resin, compatibility of Iso Varnished Terylene with resins and varnishes containing solvents/diluents should be confirmed in advance of processing.

Properties	Units	0,10mm	0,14mm	Test method
Thickness Total	mm	0,10 ± 0,01	0,14 ± 0,01	IEC 60626-2
weight Fabric	g/m <sup>2</sup>	115 ± 13	160 ± 17	IEC 60626-2
weight Resin	g/m <sup>2</sup>	50 ± 5	50 ± 5	IEC 60626-2
weight Tensile strength	g/m <sup>2</sup>	65 ± 8	110 ± 12	IEC 60626-2
	N/cm	>100	>100	IEC 60626-2
Breakdown voltage	kV	>5	>5	IEC 60626-2
Thermal class Colour	°C	155 (F)	155 (F)	IEC 60085
Shelf life (20°C, 50 % r.h.)	months	Natural/Yellow 24	Natural/Violet 24	
<b>Availability</b>				
Standard widths	mm	15, 20, 25, 30 (others available on request)		
Standard roll length	m	50 (others available on request)		
Standard core	mm	55 (others available on request)		

