



uki is one of Europe's largest suppliers of electrical insulation materials and flexible films

**UK Insulations
Product Information**

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 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	mm	0,10 ± 0,01	0,14 ± 0,01	IEC 60626-2
Total weight	g/m ²	115 ± 13	160 ± 17	IEC 60626-2
Fabric weight	g/m ²	50 ± 5	50 ± 5	IEC 60626-2
Resin weight	g/m ²	65 ± 8	110 ± 12	IEC 60626-2
Tensile strength	N/cm	>100	>100	IEC 60626-2
Breakdown voltage	kV	>5	>5	IEC 60626-2
Thermal class	°C	155 (F)	155 (F)	IEC 60085
Colour		Natural/Violet	Natural/Violet	
Shelf life (20°C, 50 % r.h.)	months	24	24	
Availability				
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)		

