

PRODUCT INFORMATION

ISO VARNISHED TERYLENE

PRODUCT DESCRIPTION

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 in a natural white or with yellow pigment in the resin for identification purposes.

APPLICATIONS

Iso varnished terylene can be used in a variety of applications where a flexible high temperature tape exhibiting a high strength is required. Iso varnished terylene is commonly used for the insulation of winding joints and end winding sections for form wound medium voltage machines. Iso varnished terylene is resistant to attack from water brine solutions, dilute acid, dilute alkalis, and transformer oil. Iso varnished terylene resists attack from conventional varnish and resins which are applied using VPI, trickle and dip operation. Prolonged exposure to certain solvents / diluents should be confirmed in advance of processing.

TECHNICAL DETAILS

ITEM	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 ²	115 ± 13	160 ± 17	IEC 60626-2
WEIGHT RESIN	g/m ²	50 ± 5	50 ± 5	IEC 60626-2
WEIGHT TENSILE	g/m ²	65 ± 8	110 ± 12	IEC 60626-2
STRENGTH	N/CM	>100	>100	IEC 60626-2
BREAKDOWN VOLTAGE	KV	>5	>5	IEC 60626-2
THERMALCLASS	°C	155(F)	155 (F)	IEC 60085
COLOUR		NATURAL / YELLOW	NATURAL / YELLOW	
SHELF LIFE	MONTHS	24	24	
AVAILABLE WIDTHS	MM	10-1000	10-1000	
ROLL LENGTHS	MTRS	25-100	25-100	