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NEW ULTIMEX F

ULTIMEX F is a three-layer insulation material, pink in colour, which comprises a polyester film centre with a resin impregnated polyester non-woven layer on each side. Applications for ULTIMEX F include slot liners and closures for rotating machines, interturn, interlayer and ground insulation for transformers, etc. ULTIMEX F has a proven Class F rating.

ULTIMEX F exhibits high dielectric and mechanical strength. The smooth surfaces of ULTIMEX F give excellent performance in automated insertion / winding applications. In spite of the smooth surface, impregnating resins and varnishes adhere well to ULTIMEX F.

The Class H resin used to impregnate the outer layers of ULTIMEX F is fully cured. Thus ULTIMEX F is resistant to impregnating resins, varnishes and solvents.

ULTIMEX F is supplied in full width rolls (1000mm wide) of 50 metre lengths. If required ULTIMEX F can be supplied in other lengths and widths. Please enquire for details. Standard thicknesses are 0.16, 0.18, 0.20, 0.23, 0.29, 0.35 and 0.45mm.

Technical Data for ULTIMEX F

Nominal thickness (mm)	0.16	0.18	0.20	0.23	0.29	0.35	0.45
Tolerance (∇%)	15	15	15	15	15	10	10
Yield (mP/kg)	6.3	5.1	4.2	3.7	2.7	2.2	1.8
Tolerance (∇%)	12	12	12	12	12	12	12
Tensile Strength, longitudinal, (N/10mm) min.	120	150	80	200	300	300	450
Tensile Strength, transverse, (N/10mm) min.	90	140	200	250	350	400	450
Elongation, longitudinal (5) minimum	20	20	20	20	30	30	30
Elongation, transverse (%) minimum	30	35	50	50	50	50	50
Dielectric Strength (kV) minimum	6	9	10	12	16	19	22