KHANDELWAL INDUSTRIES

AN ISO 9001:2015 CERTIFIEDCOMPANY

|| Nomex® Polyester Nomex® ||

Nomex® Polyester Nomex® is a triple layered laminate with polyester film sandwiched in between two layers of DuPont™ Nomex® aramid - 2mil thickness paper bonded with a high temperature adhesive system. The product is designed not to delaminate or blister at elevated temperatures. This semi rigid laminate exhibits a high dielectric strength, as well as good initial tear and tensile strengths. The high abrasion properties allow the product to be inserted easily in the slot portionsof a stator without damaging the insulation properties.

Application:

These laminates find a popular use in the manufacture and repair of motors and generators of various ratings and temperature class. Popularly used as slot liners in stators, as wedges and phase insulationinmotors and generators, as well as large special F class motors.

Availability:

These laminates are available in standard widths of 900mm in continuous rolls in various thickness and constructions. Slitted Tapes to specific sizes are also available upon request to facilitate auto slotinsertion process in small stators. Laminates with 1.5mil base DuPont™Nomex® paper (with a prominent orange lining) are alsoavailable on request.

Shelf Life :

Nomex® Polyester Nomex® exhibits a shelf life of 12 months fromdate of manufacture when stored at 25°C temperature and 50% relative humidity.

Item	Unit	Nomex Polyester Nomex							
Thickness	mm	0.14	0.17	0.19	0.22	0.24	0.31	0.37	0.47
Substance Film	GSM	145	180	210	240	275	365	470	590
thickness	mic	23 2-	50 2-	75 2-	100	125	190	250 2-	350 2-
Construction		1-2	2-2	3-2	2-4-2	2-5-2	2-7-2	10-2	14-2
Tensileunfolded (MD)	N/cm	100	160	170	190	220	270	330	400
Tensile un folded (XD)	N/cm	80	90	105	120	150	200	300	350
Tensile folded (MD)	N/cm	80	90	100	110	130	200	250	300
Tensile folded (XD)	N/cm	50	70	90	100	120	150	200	250
Elongation un folded (MD)	%	15	15	15	15	20	20	20	20
Elongation un folded(XD)	%	20	20	20	20	20	25	25	25
BDV un folded	kV	6	8	11	12	14	19	13	28
BDV folded	kV	5	7	9	10	12	15	18	20