

Nomex® Tube

Nomex® stands out as a top-performing calendared, aramid insulation paper, especially effective when turned into insulating tubes. With superior resistance to high temperatures and impressive dielectric strength, Nomex® is ideal for insulating tubing and bobbins in various applications.

Apart from its thermal resilience, Nomex® boasts exceptional mechanical toughness and resistance to melting and combustion in air, even at temperatures up to 200°C. It maintains its electrical and mechanical properties over extended periods.

Nomex® is a durable choice, retaining physical and electrical characteristics for prolonged periods. Resistant to solvents, acids, and alkalis, it is compatible with transformer fluids, varnishes, lubricating oils, and refrigerants. Nomex® ensures longevity and reliability, remaining unaffected by insects or fungi in diverse environmental conditions.

Application

Nomex® tubes excel in diverse applications, from transformer forms to collar supports, voltage regulator transformers, and primary coil forms in high-temperature motors. They're also ideal for motor shaft insulators, spacers in heavy-duty tools, high-temperature potting cases, and flame-proofing applications. Nomex®'s versatility ensures reliable performance across a range of demanding uses.

Availability

Nomex® Tubes are available in round cylindrical form, square and rectangular shapes. Inner diameter ranging from 15mm – 300mm or more and in standard length of 900mm, and up to 1200mm.

Deviations in specifications, construction, sizes or packing can be made upon customers' requests.

Shelf Life

Nomex® Tubes exhibit a shelf life of 12 months from date of manufacture when stored at a temperature 25°C and 50 % relative humidity.

Item	Unit	Value	
Wall thickness	mm	0.8	1
Dielectric Strength	Kv / thk	> 15	> 22
Density	G / cm ³	0.9	0.9
Tensile Strength (MD)	N / cm	300	550
Tensile Strength (XD)	N / cm	175	370
Elongation (MD)	%	40	65
Elongation (XD)	%	35	50

Nomex® is a registered trademark of DuPont™

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of innovation