Fustellificio Bassanese

PROJECT CUTTING

Nomex® 410 Aramid paper

Description	Nomex® 410 is a synthetic electro-insulation paper constructed of a calendered, aromatic polyamide fibride flock composition.
Properties	Nomex® 410 is a Class H (180 °C) insulating material. Temperatures below 200 °C only slightly influence its electrical properties. The excellent mechanical properties can be extrapolated at much higher temperatures. Due to the polymer structure, Nomex® 410 can also be used at temperatures as low as -190 °C. It has a high short-term dielectric strength; nevertheless, the permanent dielectric strength should not exceed 1.2 kV/mm. Nomex® 410 is compatible with all common resins, varnish, adhesive classes, as well as transformer liquids, oils and cooling agents. Common solvents may lead to slightly reversible moisture expansion. Nomex® 410 has a low flammability (UL 94V-0), moreover, it displays a very high level of beta and gamma-ray resistance.
Application	High quality Nomex® 410 is used in almost all known applications for electrical insulating materials. Application ranges from AC and DC motors to large generators, wet and dry transformers and chokes, even with beta and gamma radiation exposure.
Standards	Class H (180 °C) insulating material. UL listed (RTI mech. + elect. 220° C)
	RoHS compliant according to 2011/65 EU
Delivery format	Film thickness in µm: 50, 80, 130, 180, 250, 300, 380, 510, 610, 760 Nomex® 410 can be supplied: - in slit rolls: depending on the material thickness - in rolls: 457 mm or 914 mm Feathering: - depth approx. 1 - 12 mm, distance approx. 1 - 10 mm
	- from widths of 10 to 240 mm and thickness of 0.25 mm

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