

Filmbase Aramid Paper X-630



Electrical
insulation
product

Aramid paper is a dielectric insulator, flame resistant for high temperatures, thermal class H (200 °C).

Characteristics

Filmbase family is composed of films, cords and papers; all these items are mechanically resistant, complying with the requirements encountered in the manufacturing of electrical machinery.

Aramid Paper X-630 is an aramid paper (formally an aromatic polyamide fiber).

Aramid Paper X-630 is manufactured as a fiber, as well as paper, in a wide range of products.

The product is used for the construction of laminates for the insulation of electric motors and transformers, for wrapping copper conductors, for the production of press-board.

Typical applications are electric motors, transformers, generators and other electrical machinery.

Aramid Paper X-630 is UL certified as stated by UL file N. E466035 owned by manufacturer: SRO ARAMID (JIANGSU) CO LTD.

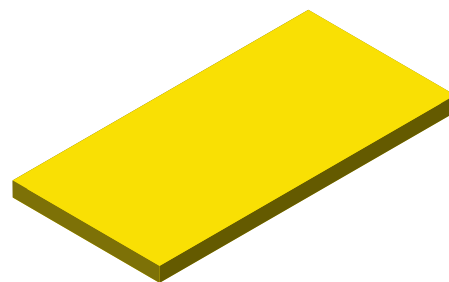
Formats

The product can be supplied in tapes from 8 mm width upwards, in rolls until 1000 mm, cut in sheets or die-cut according to customer specifications.

Core internal diameter 76 or 152 mm (3 or 6 inches).

Structure

 Aramid paper



Technical Data

Properties	Unit	Method	2 mils	3 mils	5 mils	7 mils	10 mils
Paper Thickness	mm	ASTM D374	0,05	0,08	0,13	0,18	0,25
Weight per m ²	g/m ²	ASTM D646	42	63	114	175	240
Tensile strength MD	N/cm	ASTM D828	39	56	100	180	200
Tensile strength CD	N/cm	ASTM D828	15	22	46	80	80
Elongation MD	%	ASTM D828	5	6	6	7	9
Elongation CD	%	ASTM D828	5	6	6	6	7
Breakdown voltage	kV	ASTM D149	9	9	9	9	9

Properties	Unit	Method	12 mils	15 mils	20 mils	30 mils
Paper Thickness	mm	ASTM D374	0,30	0,38	0,51	0,76
Weight per m ²	g/m ²	ASTM D646	306	363	498	670
Tensile strength MD	N/cm	ASTM D828	302	380	450	672
Tensile strength CD	N/cm	ASTM D828	156	180	200	476
Elongation MD	%	ASTM D828	9	9	9	9
Elongation CD	%	ASTM D828	6	6	7	7
Breakdown voltage	kV/mm	ASTM D149	9	9	9	9

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