

FAETISO F2

Flexible insulation laminates NM 50

PRODUCT DESCRIPTION

FAETISO® F2 is a two plies laminate composed of 1 layer of calendered Nomex® aramid paper 50 microns thick (2mils) coupled with a polyester film.

PROPERTIES AND CERTIFICATIONS

FAETISO® F2 is a flexible material in thermal class F 155°C (UL file number E201010) combining excellent characteristics, such as high dielectric strength, high thermic resistance and superior mechanical properties.

Thermal characteristics reach the highest level thanks to the usage of a special adhesive.

APPLICATIONS

FAETISO® F2 can be used as slot liner, slot closure of phase insulation in electric motors. It is also widely used as inter-winding insulation in transformers or in other electrical machines.

FORMATS

Master rolls width is 914mm untrimmed.

Other formats available upon request.

Properties	UM	Tolerance												Test method
			N2S 12	N2S 25	N2S 36	N2S 50	N2S 75	N2S 100	N2S 125	N2S 190	N2S 250	N2S 300	N2S 350	
Total thickness	mm	± 15%	0,074	0,08	0,1	0,11	0,13	0,16	0,18	0,25	0,31**	0,36**	0,41**	IEC 626
Film Thickness	µm	± 10%	12	23	36	50	75	100	125	190	250	300	350	IEC 626
Weight	g/m ²	± 12%	80	95	110	125	160	190	230	320	390	473	550	IEC 626
Yield	m ² /Kg	±12%	12,50	10,53	9,09	8,00	6,25	5,26	4,35	3,13	2,56	2,11	1,82	IEC 626
Tensile strength M.D.	N/cm	min	70	100	120	130	140	160	180	230	280	310	340	IEC 626
Elongation	%	min	15	15	15	15	15	15	15	20	20	20	20	IEC 626
Breakdown voltage	kV	min	3	5	6	7	9	10	12	15	18	19	21	IEC 626

* eg. N2S12 reads **Nomex 2** mils , **Single layer, 12µ** Pet thickness

** Thickness tolerance is ±10%.

All values stated are to be considered as Typical values.

The above information is liable to change due to innovation and improvement in the manufacturing process.

We assume no liability for any infringement of any patent, copyright or design on the part of the customer while exploiting the film for different end-uses.

FAETISO® F2 is a FAET Srl registered trademark
Nomex ® is a DuPont registered trademark
FAET Srl is UNI EN ISO 9001-2015

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