



TH-NMN polyester film polyaramide fiber flexible composite material

PRODUCT DESCRIPTION

TH-NMN polyester film polyaramide fiber flexible composite material offers high mechanical strength, good compatibility with other general varnish, good cutting resistance, good over loading resistance and electric. Its thermal index is F.

TYPICAL APPLICATIONS

Slot and phase to phase insulation

TYPICAL PROPERTIES

No	Item	Unit	Index value						
1	Nominal thickness	mm	0.15	0.18	0.20	0.23	0.25	0.30	0.35
2	Nominal thickness tolerance	mm	±0.02	±0.02	±0.03	±0.03	±0.03	±0.04	±0.04
3	Weight	g/m ²	180±25	210±30	240±30	260±35	300±40	350±50	430±50
4	Tensile strength								
	MD (Before bending)	N/10mm	≥150	≥160	≥180	≥200	≥220	≥270	≥320
	MD (After bending)		≥80	≥110	≥130	≥150	≥180	≥200	≥250
	TD (Before bending)		≥90	≥110	≥130	≥150	≥180	≥200	≥250
	TD (After bending)		≥70	≥90	≥110	≥130	≥150	≥170	≥200
5	Elongation MD	%	≥10	≥10	≥12	≥12	≥12	≥12	≥12
	TD		≥15	≥15	≥18	≥18	≥18	≥18	≥18
6	Breakdown Voltage								
	(Before bending)	kV	≥7	≥10	≥11	≥12	≥13	≥15	≥20
	(After bending)		≥6	≥8	≥9	≥10	≥12	≥13	≥16
7	Normal cohesiveness	-	Not laminating						
8	Hot cohesiveness 180±2°C / 10min -		Not laminating, no bubbles, no flow rubber						