



**TH-DMD modified polyester film polyester fiber non-woven flexible composite material**

**PRODUCT DESCRIPTION**

TH-DMD modified polyester film polyester fiber non-woven flexible composite material offers high mechanical strength, good immersion property and electrics. Its thermal index is F.

**TYPICAL APPLICATIONS**

Slot and phase to phase insulation in class F motors

**TYPICAL PROPERTIES**

NO	Item	Unit	Value				
1	Nominal thickness	mm	0.20	0.25	0.30	0.35	
2	Nominal thickness and tolerance Individual	mm	±0.03	±0.04	±0.03	±0.06	
			±0.04	±0.05	±0.06	±0.07	
3	Width	mm	≥800				
4	Tensile strength	N/10mm					
	MD (Before bending)		≥120	≥150	≥170	≥200	
	MD (After bending)		≥105	≥130	≥150	≥180	
	TD (Before bending)		≥105	≥130	≥170	≥180	
	TD (After bending)		≥95	≥120	≥150	≥160	
5	Elongation	%					
	MD (Before bending)		≥10	≥10	≥5	≥5	
	MD (After bending)		≥10	≥10	—	—	
	TD (Before bending)		≥10	≥10	≥5	≥5	
	TD (After bending)		≥10	≥10	—	—	
6	Volume resistance	MΩ.m					
	(Normal)				≥1.0×10 <sup>6</sup>		
	(At 155±2°C)				≥1.0×10 <sup>4</sup>		
	(Affected with damp)			≥1.0×10 <sup>4</sup>			
7	Breakdown voltage	kV					
	(Normal)		≥8.0	≥10.0	≥12.0	≥13.0	
	(At 155±2°C)		≥7.0	≥9.0	≥10.0	≥12.0	
8	Stiffness (MD)	N			≥20		
	(TD)				≥30		
9	Normal cohesiveness	-	Not laminating				
10	Hot cohesiveness 180±2°C / 10min	-	Not laminating, no bubbles, no flow resin				

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