6641 DMD F CLASS

6641 insulation paper for transformer and motors

1.Description:

6641 Class F DMD Flexible Laminate is a three-layer flexible composite material, produced by using F-class adhesive to adhere the two faces of high-melt-point polyester film with non-woven polyester fabric Non-woven Fabric/ Polyester Film/Non-woven Fabric (3 layers)

2. Specifications:

- •Thickness: 0.15mm-0.45mm
- •Insulation class F (155°C)
- •Laminate made of esterimide-saturated non-woven polyester and high-grade polyester film
- Smooth surface ensures excellent machinability
- •Very good bonding with impregnating and trickle resins

3.Application:

It can be used as slots, gaskets and phase insulation for low voltage motors, electrical tools and electrical equipment.

Properties	Unit Values									
Product Name	6641 F Class DMD Insulation Paper									
Nominal Thickness	mm	0.15	0.18	0.20	0.23	0.25	0.30	0.35	0.40	0.45
Thickness Tolerance	mm	±0.02	±0.025		±0	±0.035				
Breakdown Voltage (No Bending) ≽	KV	≥ 6	≥ 7	≥ 9	≥ 10	≥ 12	≥ 15	≥ 18	≥ 20	≥ 22
Bond Strength At Room Temp.	_	No delamination								
Bond Strength At (155±2) °C, 10 min	_	No delamination, No blister, No adhesive flow								
Long-term Heat Resistance (TI)	$^{\circ}$	≥ 155								

No	Technical Specification		Unit	Values										
1	Thickness		mm	0.15	0.18	0.20	0.23	0.25	0.30	0.35	0.40	0.45		
2	Thickness tolerance		mm	±0.02	±0.025	±0.03	±0.03	±0.03	±0.03	±0.035	±0.040	±0.045		
3	Nominal Grammage and Tolerance		g/	140±2 0	190±28	220± 33	260±3 9	300±4 5	350±5 2	425±6 3	500±75	560±84		
4	Thickness of polyester film		mm	0.05	0.075	0.10	0.125	0.15	0.19	0.25	0.30	0.35		
5	Tensile Strength	MD	No Bending	N/10	≥80	≥120	≥140	≥180	≥190	≥270	≥320	≥340	≥370	
		טועו	After Bending		≥80	≥105	≥120	≥150	≥170	≥200	≥300	≥320	≥350	
		TD	No Bending		≥80	≥105	≥120	≥150	≥170	≥200	≥300	≥320	≥350	
		טו	After Bending		≥70	≥90	≥100	≥120	≥130	≥150	≥200	≥220	≥250	
6	Elongati on	MD	No Bending	Mm/w	≥15									
			After Bending			: 10	≥	≥5 ≥3						
		TD	No Bending	idth	≥20									
		TD	After Bending		≥10 ≥5			≥2						
7	Breakdown voltage		KV	≥6	≥7	≥9	≥10	≥12	≥15	≥18	≥20	≥22		
8	Bond strength at 25 degree C			No delamination										
9	Bond strength at(180±2) °C, 10 min				No delamination ,no blister,no adhesive flow									
10	Long-term Heat Resistance (TI)		$^{\circ}\!$		155									