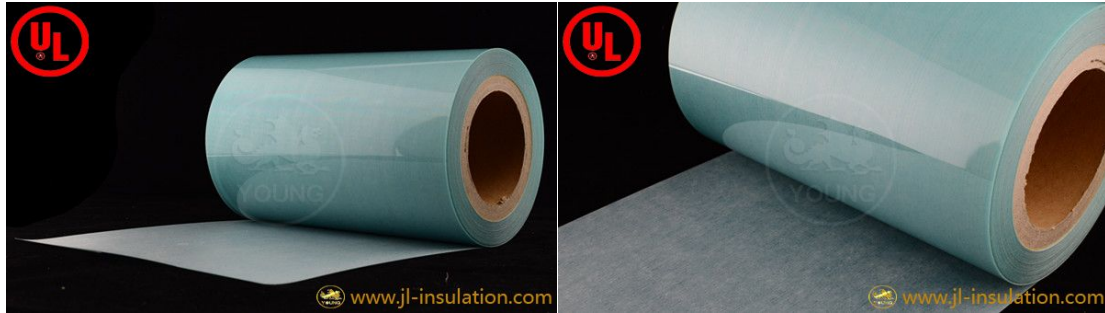


6644 DM-F



Non-woven Fabric/PET Film Flexible Combined Material (2 layers)



Composition:

6644 DM-F consists of 6020 transparent polyester film or 6021 milky polyester film, covered on one side with 7031 electrical polyester non-woven fabric. The adhesive is acid-free and heat-resistant.

Properties:

6644 DM-F shows excellent mechanical strength and electric insulating properties. Heat resistance is class F(155°C).

Application:

It can be used as slots, gaskets and phase insulation for low voltage motors, electrical tools and generators, or as interlayer insulation in transformers.

Storage:

6644 DM-F can be stored indefinitely at (20°C , 50% r. h.).

Availability:

Rolls: non-trimmed width is 1005mm/ trimmed width is 990mm

Sheets: from 990mm to 1000mm at any size

Tapes: from 5mm to 990mm

Roll diameter: about 300mm width

Core size: standard 76mm.



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6644 DM-F



Non-woven Fabric/PET Film Flexible Combined Material (2 layers)

Technical Data

Specification	Unit	Value				
Item		6644 DM-F				
Thickness	mm	0.08	0.09	0.10	0.13	0.15
Thickness tolerance	mm	±0.02	±0.02	±0.24	±0.015	±0.015
Nominal grammage and tolerance	g/m ²	77±10	92±10	112±11	146±15	181±18
Thickness of polyester film	mm	0.025	0.036	0.05	0.075	0.10
Tensile strength						
MD	N/10mm	≥50	≥60	≥80	≥110	≥150
TD	N/10mm	≥30	≥40	≥70	≥95	≥110
Elongation						
MD	%	≥15				
TD		≥20				
Breakdown voltage unfolded	KV	≥4	≥5	≥6	≥7	≥9
Cohesiveness (normal condition)		No delamination				
Cohesiveness (180±2°C 10min)		No delamination, No blister, No adhesive flow				
Thermal rating class		F				
Color		blue or white				



6644 DM-F



Non-woven Fabric/PET Film Flexible Combined Material (2 layers)

Technical Data

Specification	Unit	Value					
Item		6644 DMD-F					
Thickness	mm	0.18	0.20	0.24	0.30	0.35	0.40
Thickness tolerance	mm	±0.02	±0.02	±0.025	±0.03	±0.035	±0.04
Nominal grammage and tolerance	g/m ²	216±22	251±25	304±30	390±39	459±46	529±53
Thickness of polyester film	mm	0.125	0.15	0.188	0.25	0.30	0.35
Tensile strength							
MD	N/10mm	≥190	≥220	≥280	≥330	≥350	≥380
TD	N/10mm	≥140	≥150	≥140	≥280	≥300	≥330
Elongation							
MD	%	≥15		≥5		≥3	
TD		≥20		≥5		≥2	
Breakdown voltage unfolded	KV	≥10	≥12	≥15	≥18	≥20	≥22
Cohesiveness (normal condition)		No delamination					
Cohesiveness (180±2°C 10min)		No delamination, No blister, No adhesive flow					
Thermal rating class		F					
Color		blue or white					



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