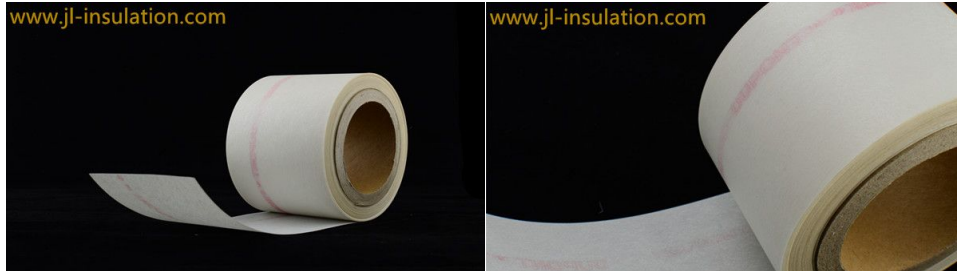




6640NMN-F

NOMEX®-polyester film-NOMEX®

Flexible combined material



Composition:

6640 NMN-F consists of 6020/6021 transparent polyester film or milky polyester film, covered on both sides with calendered DOPONT nomex®464 .The adhesive is acid-free and heat resistance.

Properties:

6640 NMN-F shows excellent mechanical properties like high tensile strength and high edge tear resistance combined with electrical properties.The NMN has a smooth surface which allows a trouble free manufacture of low voltage motors when coil shooting machines are used.Heat resistance is class F(155°C).

Application:

6640 NMN-F can be used for slot,layer and phase insulation for low voltage motor and electrical tools,or be used for interlayer insulation in transformers.

Store:

6640 NMN-F can be stored indefinitely at (20°C , 50% r. h.)

Availability:

Rolls: Non-trimmed width is 914mm/ Trimmed width is 905mm

Sheets: From 905mm to 1000mm at any size

Tapes: From 5mm to 905mm

Roll diameter: about 300mm width

Core size: 76mm.

6640 NMN-F Technical Data



Technical Specification	Unit	Value					
Products Name		6640 NMN-F					
Thickness	mm	0.11	0.12	0.14	0.17	0.19	0.21
Thickness Tolerance	mm	±0.02	±0.02	±0.02	±0.02	±0.02	±0.03
Nominal Grammage and Tolerance	g/m ²	109±11	124±12	143±14	178±18	213±21	248±25
Thickness of NOMEX®	mm	0.025	0.036	0.05	0.075	0.10	0.125
Thickness of Aramid fiber pape	mm	0.04					
Tensile Strength							
MD	N/10mm	≥100	≥150	≥160	≥170	≥190	≥220
TD	N/10mm	≥80	≥90	≥90	≥105	≥120	≥150
Elongation							
MD	%	≥15					
TD		≥20					
Breakdown Voltage Unfolded	KV	≥5	≥6	≥7	≥10	≥11	≥13
Bond Strength at 25 degree C		No delamination					
Bond Strength at 180 degree C	180±2°C 10min	No delamination, No blister, No adhesive flow					
Thermal Rating		Class F,155°C					
Color		Coverd both sides with “DUPONT NOMEX” logo, orange line					

Changzhou Jinlong Insulation Material Co.,Ltd

NO. 8, Xinkang Road, Zhonglou Zone, Changzhou City, Jiangsu, China

Tel: 0086-519-86781991 Fax: 0086-519-86781081

Web: www.jl-insulation.com

Email: steven@jl-insulation.com

6640 NMN-F Technical Data



Technical Specification	Unit	Value					
Products Name		6640 NMN-F					
Thickness	mm	0.24	0.28	0.30	0.35	0.40	0.45
Thickness Tolerance	mm	±0.03	±0.03	±0.03	±0.035	±0.040	±0.045
Nominal Grammage and Tolerance	g/m ²	283±28	336±34	352±35	422±42	491±49	561±56
Thickness of NOMEX®	mm	0.15	0.188	0.20	0.25	0.30	0.35
Thickness of Aramid fiber pape	mm	0.04					
Tensile Strength							
MD	N/10mm	≥240	≥270	≥270	≥330	≥350	≥400
TD	N/10mm	≥210	≥250	≥250	≥300	≥330	≥350
Elongation							
MD	%	≥15					
TD		≥20					
Breakdown Voltage Unfolded	KV	≥13	≥17	≥17	≥22	≥24	≥27
Bond Strength at 25 degree C		No delamination					
Bond Strength at 180 degree C	180±2℃ 10min	No delamination, No blister, No adhesive flow					
Thermal Rating		Class F,155℃					
Color		Coverd both sides with “DUPONT NOMEX” logo, orange line					

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