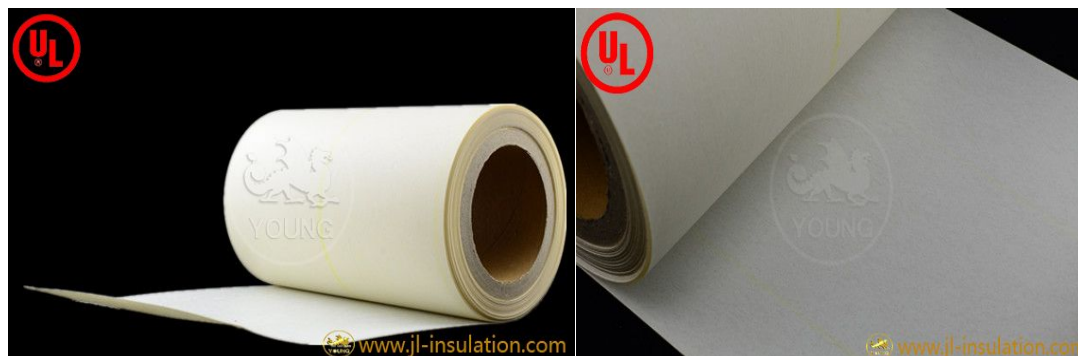


# AMA-F



Aramid /PET film/Aramid Flexible Combined Material (3 layer)  
(a kind of the best insulation material can replace DUPONT NMN )



## Description:

AMA-F passed UL certification, and perform the same standard for NMN

## Composition:

AMA-F consists of 6020 transparent polyester film or 6021 milky film, covered on both sides with aramid paper that made in China. The adhesive is acid-free and heat-resistant.

## Properties:

AMA-F shows excellent mechanical properties like high tensile strength and high edge-tear resistance combined with electrical properties. The smooth surface of AMA-F enables easy processing on automatic machines. The heat resistance is class F(155°C).

## Applications:

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:

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

## Availability:

Rolls: non-trimmed width is 1005mm/ trimmed width is 990-995mm

Sheets: from 990mm to 1000mm at any size

Tapes: from 5mm to 990mm

Roll diameter: about 300mm width

Core size: standard 76mm

Changzhou Jinlong Insulation Material Co.,Ltd

Tel: 0086-519-86781991

Fax: 0086-519-86781081

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

Web: [www.jl-insulation.com](http://www.jl-insulation.com)

Email: [sale@jl-insulation.com](mailto:sale@jl-insulation.com)

# AMA-F



Aramid /PET film/Aramid Flexible Combined Material (3 layer)

## Technical Data

Specification	Unit	Value					
Item		AMA-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
Norminal grammage and tolerance	g/m <sup>2</sup>	113±11	128±13	147±15	182±18	217±22	252±25
Thickness of polyester film	mm	0.025	0.036	0.05	0.075	0.10	0.125
Thickness of Aramid	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
Cohesiveness (normal condition)		No delamination					
Cohesiveness (180±2°C 10min)		No delamination, No blister, No adhesive flow					
Thermal rating class		F					
color		creamy-white with light yellow or orange line					



# AMA-F



Aramid /PET film/Aramid Flexible Combined Material (3 layer)

## Technical Data

Specification	Unit	Value					
Item		AMA-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
Norminal grammage and Tolerance	g/m2	287±29	340±34	356±36	426±43	495±50	565±57
Thickness of polyester film	mm	0.15	0.188	0.20	0.25	0.30	0.35
Thickness of Aramid	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		≥5		≥3	
TD		≥20		≥5		≥2	
Breakdown voltage unfolding	KV	≥13	≥17	≥17	≥22	≥24	≥27
Cohesiveness (normal condition)		No delamination					
Cohesiveness (180±2°C 10min)		No delamination, No blister, No adhesive flow					
Thermal rating class		F					
Color		creamy-white with light yellow or orange line					



**E345386**

