

Technical Information

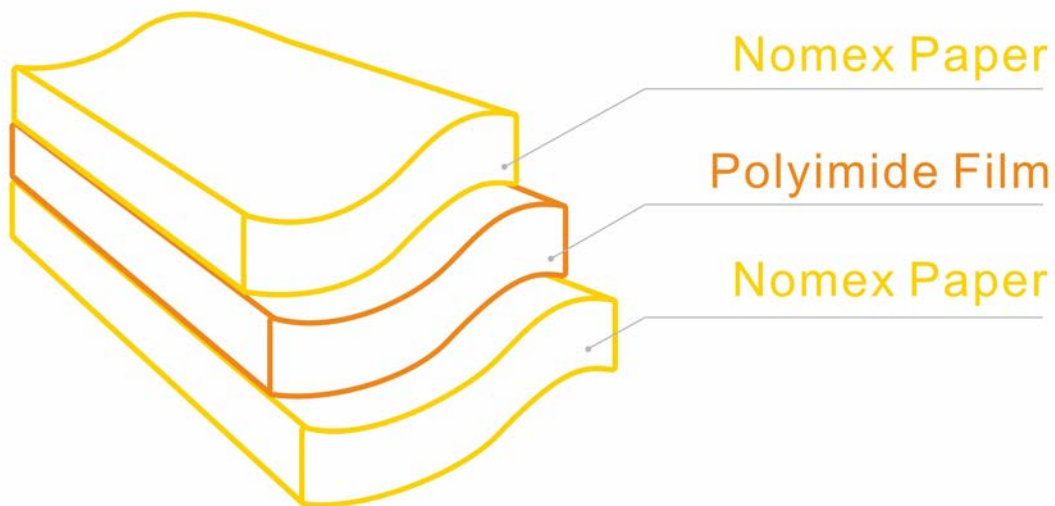
6650-Polyimide Film/Nomex Paper Flexible Composite Material (NHN)

Product No.: MAL06

MAL06150/MAL06170/MAL06200/MAL06230/MAL06250/MAL06300/MAL06330

6650-Polyimide Film/ Nomex Paper Flexible Composite Material (NHN) is made of two layers of Du Pont Nomex paper with one layer of polyimide film.

6650NHN composite material has good dielectric and mechanical properties, and its mechanical properties are outstanding at high temperatures and after exposure to moisture.



Characteristic

Property Name			General Table of Properties						
Nominal Thickness(μm)			150	170	200	230	250	300	330
Thickness Tolerance(μm)			20	30	30	30	40	40	50
Grammage(g/m^2)			155 ± 25	175 ± 25	195 ± 30	235 ± 35	260 ± 40	300 ± 45	330 ± 50
Tensile Strength (N/cm) \geq	MD	No Bending	120	140	160	180	200	250	270
		After Bending	70	90	90	130	150	170	180
	TD	No Bending	80	90	100	110	120	150	170
		After Bending	50	70	80	80	100	100	130
Elongation (%) \geq	MD		10						
	TD		8						
Breakdown Voltage(Kv) \geq	No Bending		8	9			10		
	After Bending		7	8			9		
Bonding Property at Room Temp.			No delamination						
Bonding Property at $200 \pm 2^\circ\text{C}$			No delamination, no bubble, no adhesive flow						
NOMEX LAYER			It is NOMEX [®] brand paper NOMEX [®] is a registered trademark of Dupont.						

Application

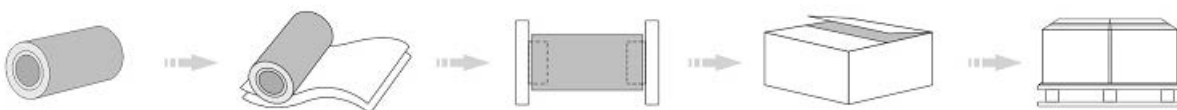
As slot, interturn and liner insulation for H - grade motors and electric appliances.

Packing and Storage

Min. slitting width: 6mm

Core ID: 3" / 6"

Storage: Keep in room temperature. Remove package before use. Unused parts are wrapped in original packaging to avoid moisture absorption. It is recommended to be used up in 6 months.



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