

Insulation Materials

Product Information Sheet

Product

Nomex® NNA00

Product Description

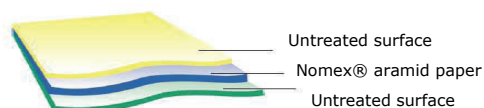
Nomex® NNA00 is a synthetic aromatic polyamide polymer paper which is suitable for use as a pressboard shield and in electrical equipment such as transformers, generators and motors. Nomex® NNA00 can be suited for the application of lead insulation, cross over patches and static ring covers (self test recommended). Operating temperature of -196 to +300°C

Available in thicknesses 50 – 760 micron.

Key Features

- Excellent Flame resistances
- High thermal index rating (UL94-V0)
- Excellent resistance to chemical and radiological attack

Structure of Nomex® NNA00



Property	Test Method	Unit	Value
Film Thickness	-	Micron	50 250 760
Tensile strength at break MD TD	-	N/cm ²	7800 11400 11070 3600 6080 7830
Elongation at break MD TD	-	%	9 19 17 6 15 13
Thermal conductivity	W/m ² K	At 150°C	0.094 0.128 0.178
Dielectric strength (AC rapid rise)	-	kV/mm	17 32 27
Full wave impulse	-	kV/mm	39 63 49
Dielectric constant	-	at 60 Hz	1.6 2.7 3.7
Dissipation factor	-	At 60 Hz (x10)	4 6 7
Shrinkage MD TD	at 300°C	%	1.0 0.3

'MD' - Machine direction. 'TD' - Transverse direction

Applications

Nomex® NNA00 is used extensively in the firefighting and motor racing industries to create flame retardant clothing and equipment.

The information above is given in good faith and should be considered as a guide not a specification.



BS EN 14644 : 1999
CLEANROOM CLASS 8

+44 (0) 20 7740 9740
www.electricalinsulation.org.uk

