

## ABOUT THIS PRODUCT

Nomex® type 410 is a calendared insulation paper which offers high dielectric strength, high operating temperature range, mechanical toughness, flexibility and resilience..



## FEATURES AND BENEFITS

- Flexible
- High dielectric strength
- Good resistance to chemicals and solvents
- Good electrical properties
- Tear resistant
- Self-extinguishing

## APPLICATIONS

- Slot insulation
- Phase insulation
- Interlayer insulation
- Outer layer insulation
- High temperature applications

## MATERIAL DATA

Product Code	56
Material	Synthetic Paper
Standard Colour	Natural
Operating Temperature – °C	220 (maintain 12kV dielectric strength for several hours at 400 °C)
Dielectric Strength – kV/mm	See technical specification
Tensile Strength – kg/cm	See technical specification
Relevant Specification	UL approved – File No. E34793 (R)

## TECHNICAL TABLE

Nominal Thickness (mm)	Dielectric Strength (kV)	ASTM D-828 Tensile Strength (N/cm)	ASTM D-828 Elongation (%)	ASTM D-1004 Initial Tear Strength (N)	Shrinkage at 300°C (%)
0.13	27	<i>MD</i> 137	<i>MD</i> 15	<i>MD</i> 33	<i>MD</i> 0.9
		<i>XD</i> 66	<i>XD</i> 12	<i>XD</i> 17	<i>XD</i> 0.0
0.18	33	<i>MD</i> 219	<i>MD</i> 18	<i>MD</i> 50	<i>MD</i> 0.6
		<i>XD</i> 111	<i>XD</i> 14	<i>XD</i> 27	<i>XD</i> 0.2
0.25	32	<i>MD</i> 285	<i>MD</i> 19	<i>MD</i> 71	<i>MD</i> 0.4
		<i>XD</i> 152	<i>XD</i> 15	<i>XD</i> 42	<i>XD</i> 0.1
0.37	33	<i>MD</i> 459	<i>MD</i> 19	<i>MD</i> 116	<i>MD</i> 0.3
		<i>XD</i> 252	<i>XD</i> 14	<i>XD</i> 74	<i>XD</i> 0.2