

## 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. E57692

## TECHNICAL TABLE

Nominal Thickness (mm)	Dielectric Strength (kV)	ASTM D-828		ASTM D-828		ASTM D-1004		Shrinkage at 300°C (%)
		Tensile Strength (N/cm)		Elongation (%)		Initial Tear Strength (N)		
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