



## PRODUCT PAGE



<b>Material:</b>	<b>Nomex 411</b>
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### Overview:

NOMEX® Type 411 is the uncalendered precursor of NOMEX® Type 410. It is available in five thicknesses (0.13 to 0.58 mm) (5 to 23 mil), with a density of 0.3 and correspondingly lower electrical and mechanical properties. It is used in applications such as motor phase insulation and transformer coil end filler, where high bulk and conformability are of prime importance. NOMEX® Type 411 offers increased impregnability and saturability when compared to NOMEX® Type 410, making it suitable for use in cast resin applications as turn and layer insulation.

### Description:

### Parameters:

Characteristics	Units	Value	Test Method
Series		411	
Application use		Motor phase insulation and transformer coil end filler	
Shape		Roll	
Thickness		0.13 mm	
Operation temperatures		- 220	
Dielectric Strength	V/mil	220	ASTM D149
Full Wave Impulse	V/mil	450	ASTM D3426
Dielectric Constant at 60 Hz		1.2	ASTM D150
Dissipation Factor at 60 Hz (x 10 <sup>-3</sup> )		3	ASTM D150

**Warranty:****Technical data**

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