

DuPont Automotive



# Nomex<sup>®</sup> 410

**High temperature electrical insulation**

Flame retardant high temperature electrical insulation

## Benefits

High temperature electrical insulation – 220°C continuous usage

Flame retardant to UL94 V0

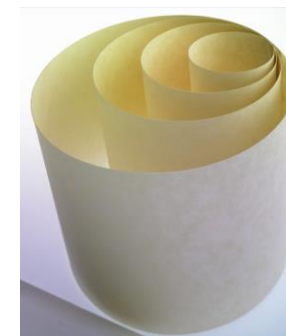
Does not support combustion in ambient air up until 240-350°C

Low thermal shrinkage – <0.1% at 300°C

Good thermal insulation

Thin sheet insulation

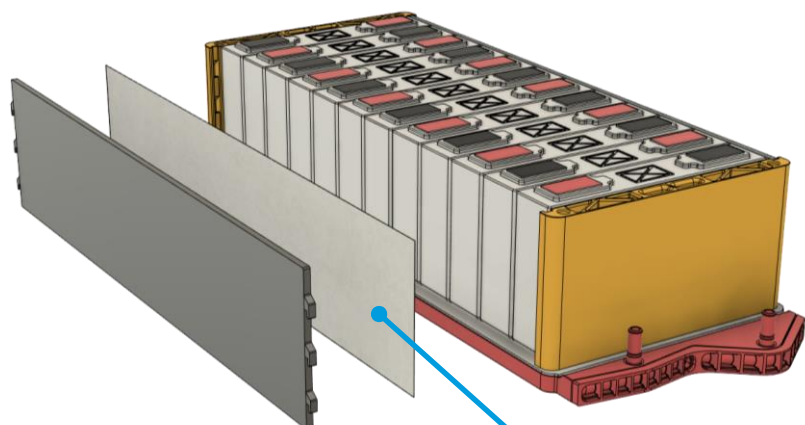
Compatible with a wide range of adhesives



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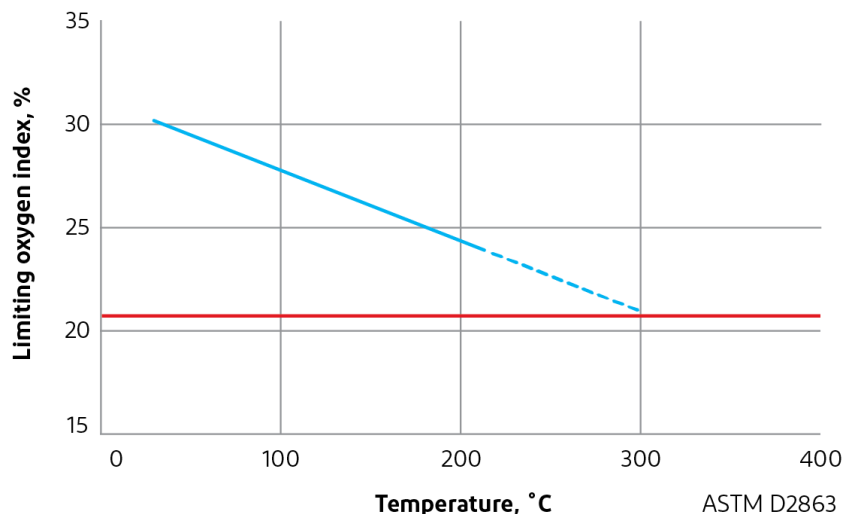
High temperature electrical insulation



*Electrical  
insulation*

DUPONT  
**Nomex**

Thickness	0.05 – 0.76mm
Basis Weight	89 – 839 g/m <sup>2</sup>
Tensile strength MD	43 – 816 N/cm
Tensile Strength XD	19 – 592 N/cm
Thermal Conductivity (room temp)	0.1 W/mK
Break Down Voltage	18 - 34 kV/mm
Shrinkage at 300°C	<2 %



Note: LOI is the measure of a materials combustibility. 21% oxygen is the defined as the flammability threshold for ambient conditions. Graph shown for 5mil thickness.

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