

Nomex[®] 818

High temperature electrical insulation

High temperature and flame resistant electrical insulation for key system components

Benefits

High temperature electrical insulation – 220°C continuous usage

Flame retardant to UL94 V0

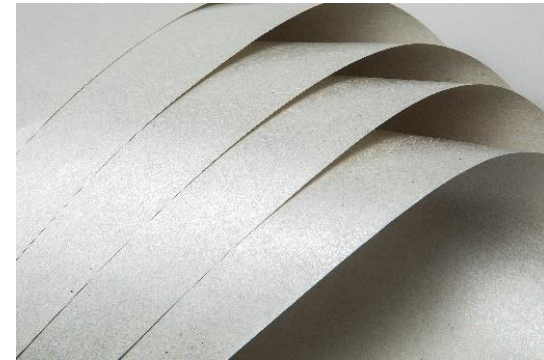
Does not support combustion in ambient air up to 700°C

Low thermal shrinkage

Good thermal insulation

Thin sheet insulation

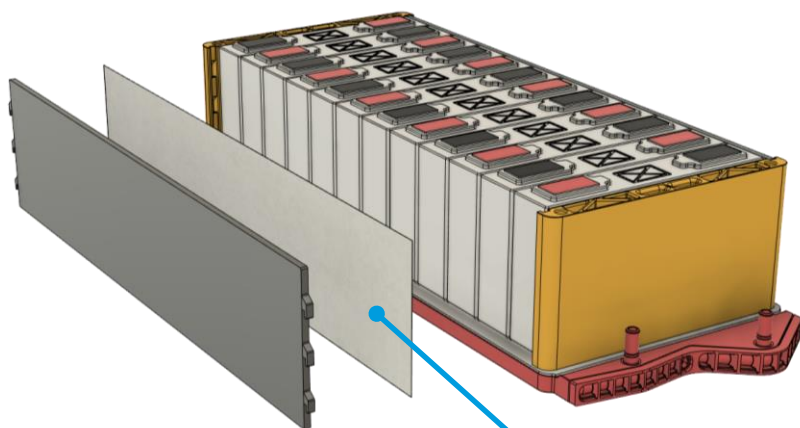
Compatible with a wide range of adhesives



DuPont Automotive

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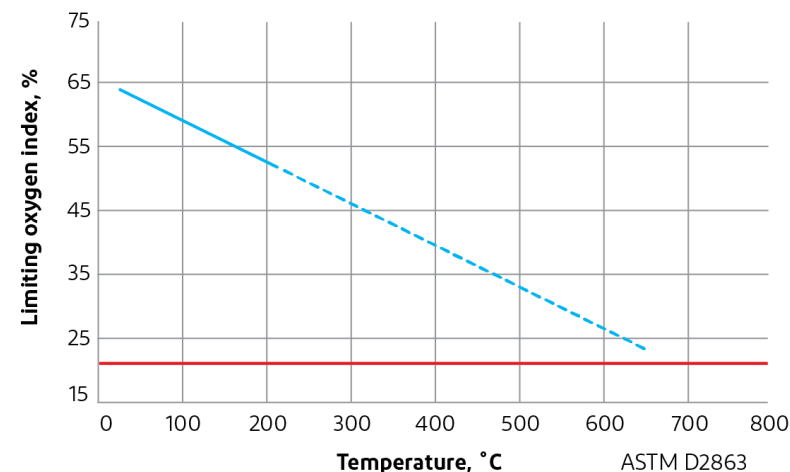
High temperature electrical insulation



*Electrical
insulation*

Thickness	0.08 – 0.25mm
Basis Weight	89 – 298 g/m ²
Tensile strength MD	31 – 111 N/cm
Tensile Strength XD	22 – 78 N/cm
Thermal Conductivity (room temp)	0.09 W/mK
Break Down Voltage	28.7 – 39.0 kV/mm
Shrinkage at 300°C	<0.1%

DUPONT
Nomex



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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