

LithiumPrevent 200REX is an intumescent thermoplastic composite that is fire resistant and electrically insulative.

General	
<b>Availability</b>	Americas, Europe, Asia-Pacific
<b>Features</b>	Intumescent, Fire Resistant, Electrically Non-Conductive
<b>Colour Availability*</b>	All Colors Available Upon Request
<b>Forms</b>	Pellets, Powder
<b>Processing Method</b>	Extruding

Physical Properties	Value	Unit	Test Standard
Density	1.19	g/cm <sup>3</sup>	ASTM D792-20
Start Expansion Temperature	200	°C	INTERNAL
Expansion Rate	2-3x	Original Volume	INTERNAL

Mechanical Properties	Value	Unit	Test Standard
Tensile Modulus	2150	MPa	ASTM D638-22
Tensile Strength	24	MPa	ASTM D638-22
Elongation at Break	3.3	%	ASTM D638-22
Izod Notched Impact Strength	53	J/m,C	ASTM D256-23 Method A

Thermal Properties	Value	Unit	Test Standard
Heat Deflection Temperature	63.8	°C	ASTM D648-18
Coefficient of Linear Thermal Expansion	6.541E-05	/°C	ASTM D696-16

\*most colorants most colorants can be added without affecting performance at the correct ratio. Speak with sales about colour availability



Electrical Properties	Value	Unit	Test Standard
High-Current Arc Ignition	PLC-0	-	UL 746A Sect 33
Comparative Tracking Index	CTI 561	-	ASTM D3638-21

Flammability Properties	Value	Unit	Test Standard
Vertical Burn - 2 mm	V-0	-	UL 94 Section 8
Hot Wire Ignition	PLC-0	-	ASTM D3874-20