

**Product:** Genflam® XLPO-RMT  
**Gendon Code:** 2438 (Black)  
2469 (White)  
4509 (Natural)



**Revision Date:** Nov 13, 2019

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Genflam® XLPO-RMT radiation cure thermosetting flame retardant low smoke zero halogen compound was designed as a thermoset jacketing compound that gives excellent physical properties while processing easily for use in Transit cable jacketing applications.

**Key Features:**

- High flame retardancy
- Good processibility
- Uses no heavy metals or halogenated ingredients

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**Physical Properties:**

Density:	1.51 g/cm <sup>3</sup>	Durometer:	92 Shore A
Tensile:	1700 psi (typical)	Low Temp. Brittle Point:	-31°C
Elongation:	175% (typical)	Deformation, 2000g:	<10%@121°C
Tear:	38 lbf/in (typical)		

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**Combustion Properties:**

Limited Oxygen Index (LOI):	39%
Acid Gas:	0.2%

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**Heat Aging:**

	<u>7d@136°C</u>
Tensile Retention	106%
Elongation Retention	93%
Hot Creep @ 200°C	<10%
Hot Set @ 200°C	<5%

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**Fluid Resistance:**

	<u>Diesel – 24h@100°C</u>
Tensile Retention	53.4%
Elongation Retention	105%

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**Weathering:**

	<u>720 Hours under QUV Testing</u>
Tensile Retention	96%
Elongation Retention	92%

\*Not applicable to Natural(4509)

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**Suggested Running Conditions:**

Extruder L/D:	15:1 or 20:1	Comp. Ratio:	1.25:1	Screen Pack:	20 Mesh or none
Screw Type:	Single Flight metering, without mixing section				
Feed Zone:	190°F	Center Zone:	190-200°F	Head/Die:	220°F
Conductor Pre-heat:	150°F (recommended)				

**Processing Techniques:** Gendon's XLPO-RMT Zero Halogen compound is designed to process easily.

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