

**Product:** Genflam® XLOH-R  
**Gendon Code:** 2324 (Black)  
2349 (White)



**Revision Date:** Dec 16, 2019

Genflam® XLOH-R radiation cure thermosetting flame retardant low smoke zero halogen compound was designed to provide the wire and cable field with a Radiation Curable thermoset jacketing product compound that gives excellent physical properties while processing easily. This polyolefin is designed to meet or exceed MIL 24643B and MIL 24640B military shipboard cable requirements with properly prepared cable constructions.

**Key Features:**

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

**Physical Properties:**

Density:	1.50 g/cm <sup>3</sup>	Durometer:	92 Shore A
Tensile:	1750 psi (typical)	Low Temp. Brittle Point:	-37°C
Elongation:	200% (typical)	Deformation, 2000g:	<10%@121°C
Tear:	40 lbf/in (typical)		

**Combustion Properties:**

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

**Heat Aging:**

	<u>7d@136°C</u>
Tensile Retention	110%
Elongation Retention	95%
Hot Creep @ 200°C	<10%
Hot Set @ 200°C	<5%

**Fluid Resistance:**

	<u>IRM902 - 18h@121°C</u>	<u>Diesel - 24h@100°C</u>
ensile Retention	78%	56%
Elongation Retention	89%	74%

**Weathering:**

	<u>720 Hours under QUV Testing</u>
Tensile Retention	90%
Elongation Retention	90%

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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 XLOH-R Zero Halogen compound is designed to process easily and maintain low scrap rates.

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