

**Product:** Genflam® XLOH  
**Gendon Code:** 2191 (Black)



**Revision Date:** Dec 12, 2019

Genflam® XLOH peroxide curing thermoset flame retardant low smoke zero halogen compound was designed to provide the wire and cable field with a thermoset jacketing compound that gives excellent physical properties while processing easily. This polyolefin product passes MIL 24643B and MIL 24640B military shipboard cable requirements.

**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:	96 Shore A
Tensile:	2600 psi (typical)	Low Temp. Brittle Point:	-26°C
Elongation:	220% (typical)	Deformation, 2000g:	0.63%@121°C
Tear:	41 lbf/in (typical)		

**Combustion Properties:**

Limited Oxygen Index (LOI):	38%
Acid Gas:	0.2%

**Heat Aging:**

	<u>7d@136°C</u>
Tensile Retention	133%
Elongation Retention	74%
Hot Creep @ 200°C	6.67%
Hot Set @ 200°C	0%

**Fluid Resistance:**

	<u>IRM902 - 18h@121°C</u>	<u>Diesel - 24h@100°C</u>	<u>IPA - 24h@RT</u>
Tensile Retention	88%	56%	87%
Elongation Retention	103%	71%	138%

**Weathering:**

	<u>720 Hours under QUV Testing</u>
Tensile Retention	105%
Elongation Retention	87%

**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 Zero Halogen compound is designed to process easily and maintain low scrap rates.

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