

**Product:** Genflam® XLOH-R-BK-T  
**Gendon Code:** 2483



**Revision Date:** Sept 24, 2019

Genflam® XLOH-R-BK-T 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
- No heavy metals or halogenated ingredients
- Smoke generation meets the requirements of E662-09
- Compound is provided in resealable moisture proof bags

**Physical Properties:**

Density:	1.58 g/cm <sup>3</sup>
Tensile:	1725 psi (typical)
Elongation:	185% (typical)
Tear:	42 lbf/in (typical)
Durometer:	92 Shore A

**Combustion Properties:**

Limited Oxygen Index (LOI):	39%
Smoke Index (ASTM E662):	D <sub>s4</sub> D <sub>m20</sub>
• Flaming*	6.1 43.8
• Non-Flaming*	18 259

\*80 Mil Samples

**Heat Aging:**

	<u>7d@136°C</u>
Tensile Retention	116%
Elongation Retention	98%

**Fluid Resistance:**

	<u>IRM 902 - 4h@70°C</u>
Tensile Retention	82%
Elongation Retention	104%

**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:	200°F	Center Zone:	210-230°F	Head/Die:	260°F

**Processing Techniques:** Gendon's XLOH-R-BK-T Zero Halogen compound is designed to process easily.