

**Product:** Genflam® OH-4  
**Gendon Code:** 2396 (Black)  
2399 (White)  
**Revision Date:** Sept 24, 2019



Genflam® OH-4 thermoplastic flame retardant low smoke zero halogen compound was designed to give the wire and cable field a superior flame retarded that is cost effective while maintaining sufficient physical properties to meet a variety of specifications. This polyolefin compound is designed to process easily.

**Key Features:**

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

**Physical Properties:**

Density: 1.57 g/cm<sup>3</sup>  
Tensile: 1700 psi (typical)  
Elongation: 175% (typical)  
Tear: 45 lbf/in (typical)  
Durometer: 98 Shore A  
Low Temp. Brittle Point: -25°C  
Deformation, 2000g: 84%@121°C      46%@100°C      15%@90°C

**Combustion Properties:**

Limited Oxygen Index (LOI): 43%  
Acid Gas: 0.2%

**Heat Aging:**

	7d@100°C	7d@121°C	10d@110°C	30d@110°C	70d@110°C
Tensile Retention	90%	115%	116%	92%	137%
Elongation Retention	78%	83%	80%	76%	59%

**Fluid Resistance:**

	IRM 902 - 4h@70°C	Diesel - 24h@35°C	IPA - 24h@23°C
Tensile Retention	62%	83%	75%
Elongation Retention	137%	113%	103%

**Weathering:**

	720 Hours under QUV Testing
Tensile Retention	91%
Elongation Retention	85%

**Suggested Running Conditions:**

Extruder L/D: 20:1 or 25:1      Comp. Ratio: 1.25:1      Screen Pack: 20 Mesh or none  
Screw Type: Single Flight metering, without mixing section  
Feed Zone: 250°F      Center Zone: 280°F      Head/Die: 300°F  
Conductor Pre-heat: 150°F (recommended)

**Processing Techniques:** Gendon's OH-4 Zero Halogen compounds are designed to process easily.