

**Product:** Genflam® OH-2  
**Gendon Code:** 2289 (Black)  
 2309 (White)  
**Revision Date:** Sept 24, 2019



Genflam® OH-2 thermoplastic flame retardant low smoke zero halogen compound was designed to give the wire and cable field a superior flame retarded jacketing compound that gives excellent physical properties while processing easily. This polyolefin product passes many aging criteria yet provides surprisingly high elongation and low temperature properties.

**Key Features:**

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

**Physical Properties:**

Density:	1.47 g/cm <sup>3</sup>		
Tensile:	1800 psi (typical)		
Elongation:	230% (typical)		
Tear:	45 lbf/in (typical)		
Durometer:	98 Shore A		
Low Temp. Brittle Point:	-44°C		
Deformation, 2000g:	16.5%@121°C	7.5%@100°C	2.5%@90°C

**Combustion Properties:**

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

**Heat Aging:**

	7d@100°C	7d@121°C	10d@110°C	30d@110°C	70d@110°C
Tensile Retention	100%	102%	99%	98%	103%
Elongation Retention	82%	71%	66%	66%	60%

**Fluid Resistance:**

	IRM 902 - 4h@70°C	Diesel - 24h@35°C	IPA - 24h@23°C
Tensile Retention	70%	77%	84%
Elongation Retention	96%	98%	121%

**Weathering:**

	720 Hours under QUV Testing
Tensile Retention	94%
Elongation Retention	91%

**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:	330-340°F	Head/Die:	340°F
Conductor Pre-heat:	150°F (recommended)				

**Processing Techniques:** Gendon's OH-2 Zero Halogen compounds are designed to process easily.