

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 ³			
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.