Product: **Genflam® XLPO-R EF**
Gendon Code: **4513 (Black)**

Revision Date: **July 2020**

Genflam® XLPO-R EF radiation cure thermoset flame retardant low smoke zero halogen compound was designed as a thermoset jacketing compound that gives excellent physical properties while processing easily in Military cable jacketing applications, for MIL-24643 and 24640.

Key Features:

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

Physical Properties: (18 Mrad Cure)

Density:	1.50 g/cm³	Durometer:	92 Shore A
Tensile:	1900 psi (typical)	Low Temp. Brittle Point:	-31°C
Elongation:	170% (typical)	Deformation, 2000g:	<10%@121°C
Tear:	40 lbf/in (typical)		

Combustion Properties:

Limited Oxygen Index (LOI):	42%
Acid Gas:	0.2%

Heat Aging:

	7d@136°C		
Tensile Retention	94%	Hot Creep @ 200°C	<10%
Elongation Retention	87%	Hot Set @ 200°C	<5%

Fluid Resistance:

	Fuel Oil 24h@100°C	Turbine Fuel JP5 24h@50 C	Hydraulic Fluid 24h @ 50 C	Lubricating Oil 24h @ 100 C	Coolanol 25 24h@ 25 C
Tensile Ret.	65%	80%	80%	90%	120%
Elongation Ret.	100%	100%	100%	110%	60%

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 XLPO-RMT Zero Halogen compound is designed to process easily. For best output and performance low gear ratio setting on the extruder are recommended.

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