

**Product:** Genflam® DC-10  
**Gendon Code:** 2458



**Revision Date:** Dec 16, 2019

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Genflam® DC-10 is a Low Smoke Zero Halogen polyolefin compound designed specifically for use in separators, dividers, fillers and tapes for plenum CAT 6A, 6E data cable. Its inherent high flame retardancy, excellent physical and electrical properties, and ease of processing bring many important benefits to the manufacturing of category cables.

**Key Features:**

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

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**Physical Properties:**

Density: 1.61 g/cm<sup>3</sup>  
Tensile: 1200 psi (typical)  
Elongation: 12% (typical)

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**Combustion Properties:**

Limited Oxygen Index (LOI): 43%

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**Electrical Properties:**

Dissipation Factor, D: 0.002  
Dielectric Constant: 3.36  
(1 MHz / 5 Volts)

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**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:	320°F	Center Zone:	330-340°F	Head/Die:	360°F

**Processing Techniques:** Gendon's Genflam® DC-10 processes easily on conventional extrusion equipment. As with many products of this type, shear should be minimized to ensure trouble free processing.

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