

Product: Genflam® 85 FR MB
Gendon Code: 5904



Revision Date: February 4, 2021

Key Features:

Genflam® FR MB is a halogenated flame retardant concentrate containing proper stoichiometrically balanced amounts of antimony trioxide and a brominated flame retardant powder. This concentrate is designed for use in halogenated and non-halogenated base compounds for extrusion or injection molding where the flame performance requires enhancement.

Recommended levels of addition: 5 to 10 percent by weight

Physical Properties:

Density: 2.44 g/cm³
Physical Form: Pellets

Combustion Properties:

Limited Oxygen Index (LOI): 44%

Suggested Running Conditions:

Extruder L/D: 20:1 or 24:1 Comp. Ratio: 2.5:1 Screen Pack: 20 mesh or none
Screw Type: High compression screw, with mixing section suggested

Processing Techniques:

Genflam® 85 FR MB is supplied in free-flowing pellets and is compatible with both halogenated and non-halogenated base compounds. Typical addition levels are between 5 and 10 percent, but will depend highly on the base material used, and the level of improved flame performance needed. The material disperses easily but for higher concentrations, Gendon does suggest the use of a mixing screw to aid in complete dispersion for the maximum reproducibility of flame performance.