

TECHNICAL DATA SHEET

HOFNIL-73GA

(EFFICIENT HALOGEN-FREE FR FOR GLASS FILLED PBT/POLYESTERS)

HOFNIL-73GA is a high-performance engineering polymer designed for applications requiring superior mechanical strength, dimensional stability, and enhanced resistance to high temperatures. This innovative material is an advanced formulation of strategically selected halogen free flame retardants for 30% glass filled PBT applications. The result is a material that exhibits excellent mechanical properties, improved chemical resistance, and the ability to withstand extreme conditions, while meeting stringent fire safety standards.

PRODUCT PROPERTIES

Product Name: HOFNIL-73GA

Product Code: 73GA

TECHNICAL PARAMETERS		
S. NO.	PARAMETERS	SPECIFICATION
1	Appearance	White Granules
2	Phosphorus Content, w/w %	20-23
3	Water Content	≤0.5
4	Density (g/cm ³)	1.50g/cm ³
5	Decomposing Temp (°C)	≥350 °C
6	Particle Size (D 50)	10-13 microns
7	Dosage (PBT 30GF)	18%

Usage: HOFNIL- 73GA is used to impart flame retardancy in 30% glass filled PBT applications.

Advantages of HOFNIL- 73GA:

High strength: Provides excellent mechanical properties and durability.

Flame resistance: Complies with UL94 V-0 standards for fire safety.

Thermal stability: Withstands high temperatures..

Chemical resistance: Resists oils, solvents, weak acids, and bases.

Dimensional stability: Maintains shape and size even under stress or temperature changes.

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Improved stiffness: Glass fibre reinforcement enhances rigidity.

Low water absorption: Minimizes moisture-related degradation.

Electrical insulation: Exhibits high dielectric strength and surface resistivity.

Handling & Packaging: It should be handled with care to avoid moisture absorption, as it can affect its properties. The material is typically packaged in pellets, granules, or flakes for easy handling and processing. When handling, protective gloves and eye protection are advised to avoid direct contact with the glass fibres, which may cause irritation.

Storage: It is recommended to store the material in a dry, cool place in sealed bags or containers, away from direct sunlight and high humidity.

Shelf -Life: 2 years from date of manufacturing

Packing Size : 25 kg

Please Note: We are manufacturing various technologies related to flame retardants and their tailor made blends for specific application. We can provide technical assistance, as well, in order to make better HFFR for any kind of substrate or material

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