

AuroraGuard™ FFD0051

Aurora Material Solutions, LLC - Polyolefin

General Information

Product Description

EnFoam® FFD0051 is a medium temperature olefinic masterbatch of an endothermic chemical nucleating and blowing agent for the creation of a foam structure in thermoplastic injection molding and extrusion applications. The blowing agent is provided in a pellet form which improves foaming performance, eases material handling and extends shelf life. This product is recommended for use in olefinic based thermoplastics such as EVA, PE, PP and TPO.

Features and Benefits

- Creates a standard closed-cell foam structure
- Improves melt flow & dispersion in thermoplastics
- Improves cycle time in injection molding
- Achieves significant weight reduction
- Enhances surface appearance
- pH balanced and buffered formula
- Improves process economics
- Improves stiffness

Formerly known as EnFoam® FFD0051

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Uses	• Foam	• Masterbatch	
Appearance	• Off-White		
Forms	• Pellets		

Properties ¹

Additional Information

Characteristics: Endothermic decomposition

Total Gas Evolution: 160 ± 20 ml/gm

Appearance: Off white pellets

Bulk Density: 0.60 ± 0.10 gm/cm³

Decomposition Temp: Approximately 284°F (140°C) with full decomposition at 392°F (200°C)

Recommended Loading: 0.5 to 2.5%

Weight Reduction: 10 to 50% (approximately and corresponding to recommended loading range)

Notes

¹ Typical properties: these are not to be construed as specifications.

