

# CRYSTALADD® HM-237B

Linear Low Density Polyethylene  
Ravago Manufacturing Americas, LLC

Message:

NUCLEATOR MASTERBATCH

HM-237B is an additive concentrate containing a highly efficient Nucleator. Nucleation in LLDPE can improve film properties, clarity, barrier and yield rates. In blow molding for PE, HM-237B can reduce cycle time and achieve better control over shrinkage characteristics. In injection molding applications the nucleator will provide faster cycle times, lower shrinkage and higher barrier properties.

Key Features:

Designed to be added to polyethylene film, extrusion, blow molding and injection molding resins.

Improved clarity in films, bottles and injection molded articles

Uniform concentration of additives in concentrate form.

Masterbatch pellet form for ease of addition and feeding into extrusion equipment

Directions for Use:

HM-237B is added to HDPE, LDPE or LLDPE at 2.5% to achieve improved crystallization for faster cooling, lower warpage especially between different colors. Achieve more uniform crystal sizes as the PE cools for improved gloss and barrier properties along with excellent clarity.

Note: Effectiveness reduced in LDPE with molecular weights resulting in < 2.0 MI or high LCB.

FDA Compliance:

The components of this product are compliant with FDA requirements up to 9% LD by weight. Please consult with the FDA regulations for specific application requirements.

This product has a Drug Master File (DMF) listing.

General Information			
Additive	Nucleating Agent		
Features	Nucleated		
Uses	Masterbatch		
Agency Ratings	DMF Unspecified Rating		
	FDA Unspecified Rating		
Forms	Pellets		
Processing Method	Blow Molding		
	Extrusion		
	Film Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	5.2	g/10 min	ASTM D1238
Additional Information	Nominal Value	Unit	Test Method
Nucleating Agent	4.0	%	Internal Method
Polymer Base	LLDPE		

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