



CRYSTALADD® HM-237

Ravago Manufacturing Americas - Low Density Polyethylene

Tuesday, November 5, 2019

General Information

Product Description

NUCLEATOR MASTERBATCH

HM-237 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-237 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-237 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

Material Status	• Commercial: Active	
Availability	• North America	
Uses	• Masterbatch	
Agency Ratings	• DMF Unspecified Rating	• FDA Unspecified Rating
Forms	• Pellets	
Processing Method	• Blow Molding	• Film Extrusion
	• Extrusion	• Injection Molding

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm ³	ASTM D792
Melt Mass-Flow Rate (190°C/2.16 kg)	3.9	g/10 min	ASTM D1238
Additional Information	Nominal Value	Unit	Test Method
Nucleating Agent	4.0	%	Internal Method
Polymer Base	LDPE		

Notes

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