



CRYSTALADD® HM-237E

Ravago Manufacturing Americas - High Density Polyethylene

Tuesday, November 5, 2019

General Information

Product Description

MINERAL AND NUCLEATOR MASTERBATCH

HM-237E is an additive concentrate containing both a Mineral additive for resin displacement and as a process aide; plus a highly efficient Nucleator. Nucleation and mineral combinations in LLDPE can improve film properties and yield rates. In HDPE blow molding HM-237E can reduce cycle time and achieve better control over shrinkage characteristics. In injection molding applications improvements in the dimensional stability and reductions in cycle time can be attained.

Key Features:

- Designed to be added to polyethylene film, extrusion, blow molding and injection molding resins.
- Also used to improve properties/processing in PP resins
- Excellent dispersion of additive and Mineral
- Uniform concentration of additives in concentrate form.
- Masterbatch pellet form for ease of addition and feeding into extrusion equipment

Directions for Use:

- HM-237E is added to HDPE / LLDPE (and PP) 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.

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.

General

Material Status	• Commercial: Active		
Availability	• North America		
Uses	• Masterbatch		
Forms	• Pellets		
Processing Method	• Blow Molding	• Film Extrusion	
	• Extrusion	• Injection Molding	

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.85	g/cm ³	ASTM D792
Melt Mass-Flow Rate (190°C/2.16 kg)	12	g/10 min	ASTM D1238
Additional Information	Nominal Value	Unit	Test Method
Mineral Content	75	%	ASTM D297
Nucleating Agent	4.0	%	Internal Method
Polymer Base	HDPE		

Notes

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