



PRODUCT DATA SHEET

EPIcor 2058

Endothermic Chemical Foaming Agent For PE and PP Applications

EPIcor 2058 is a 65% active endothermic chemical foaming agent concentrate designed for foamed polyethylene (PE) and polypropylene (PP) applications. EPI's unique compounding technology is used to incorporate the foaming agent in a polyolefinic carrier. This new formulation has better flow properties, the ability for better compaction and allows for better cycle time.

EPIcor 2058 is intended for use in:

- structural foam molding
- injection molding
- nucleation of direct-gassed foams
- extrusion applications

Fine closed cell structures and superior surface characteristics are produced using EPIcor 2058.

Other benefits include:

- uniform weight reductions
- dimensional stability
- reduced cycle times
- lowers raw material cost
- sink mark and warpage elimination
- superior physical properties
- increased production rates
- reduces production cost

Typical Properties	Typical Value, Units
Physical Form	Polyethylene Polymer Pellet
Active Ingredients	Acid and Carbonate Components
Specific Gravity (H ₂ O=1)	1.04 – 1.08
Activity	65%
Process Temperatures	300 – 500° F
Evolved Gas	Carbon Dioxide

These are not specifications. Analysis obtained on a composite sample will approximate these published values.

Recommended Use Levels:

- structural foam molding 1.5 - 2.5%
- sink mark elimination..... 0.5 - 1.0%
- nucleation of direct-gassed foam 0.3 - 0.6%
- extrusion applications.....0.5 - 2.0%

e.g. In structural foam molding, blend 2.0 lbs. EPIcor 2058 in 98 lbs. of resin to prepare a 100 lb. batch. This will be equivalent to using a minimum of 125 lbs. of resin in solid injection molding. The recommended use levels are intended as a guideline. Optimization is necessary for each application because of the differences in equipment. For additional information, please contact EPI or you local EPI agent.

Standard Packaging: 55 lb. bags, 1,000 lb. boxes

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