

HYDROCEROL[®] CF 40 E

Foaming & Nucleating Agent

General	Chemical substances that decompose or react by the influence of heat are called "chemical foaming agents". In direct gas foaming processes the "chemical foaming agents" may also be used as "nucleating agents" to produce uniform and fine cell structures.
Description	HYDROCEROL [®] CF 40 E is a chemical foaming and nucleating agent masterbatch for foaming of thermoplastic resins. Effective components: 40%.
Physical Form	White pellets, endothermic foaming agent masterbatch
Technical Parameters	Start of decomposition: 160°C. To avoid premature gassing in the feeding zone, the temperature here should be as low as possible within the processing range of the polymer (e.g. 160 - 180°C). To achieve optimum gas yield, a processing temperature of at least 220°C is suggested.
Applications	Extrusion (weight reduction) Injection molding (weight and sink mark reduction) Direct gassing process (nucleation) Especially recommended for polyolefines
Advantages	Easy to dose Non toxic decomposition products Multi purpose grade
Dosage	0,5 - 2,0%: Extrusion (weight reduction) 0,5 - 2,0%: Injection molding (weight reduction) 0,2 - 0,2%: Injection molding (sink mark reduction) 0,1 - 1,0%: Direct gassing (nucleation and cell regulation)
Remarks	The product should be stored in a cool and dry place, away from direct sunlight.
Form of Packaging	20 kg bags

This data sheet replaces all previous issues.

The information submitted in this publication is based on our current knowledge and experience. In view of the many factors that may affect processing and application, these data do not relieve processors from the responsibility of carrying out their own tests and experiments, neither do they imply any guarantee of certain properties or of suitability for a specific purpose. It is the responsibility of those to whom we supply our products to ensure that any proprietary rights and existing laws and legislation are observed.

