

Technical Product Information



HYDROCEROL® 1004 Chemical Foaming Agent Masterbatch

General	Chemical Foaming Agents are chemical substances, which decompose or react by the influence of heat, producing inert gasses, which are used to form minute foam cells in thermoplastics. 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® 1004 is an endothermic chemical foaming agent used for controlled foaming of thermoplastic resins: Olefins, PVC, EVA, TPE, TPU, and others.		
Physical form	White Pellets		
Applications	Extrusion, Injection Molding, Structural Foam Molding and Others		
	<ul style="list-style-type: none"> Easier/Safer Handling High gas yields (90-100 cc/g) 		
Typical Properties	Property	Value	Norm
	55 – 75 Pellets per gram	WIN-WI-4_10-10	N/A
Processing Guidelines	Start of gas release is approximately 140°C. To achieve optimum gas yield, a processing temperature of 170 - 210°C is suggested. To avoid gas loss, the feeding zone should be heated to max. 130 °C		
Dosage	1.0 - 2.5 %: Injection Molding & Structural Foam (weight reduction) 0.4 - 1.0%: Cell Regulation (gas cell nucleation in direct gas injection systems) 0.2 - 2.0%: Extrusion (weight reduction)		
Packaging	175 lbs. drums, 1,500 lbs gaylords		
Remarks	The product should be stored in a cool and dry place, away from direct sunlight.		

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