

Technical Product Information



Exactly your chemistry.

Product Hydrocerol® 1211 Chemical Foaming Agent

General	Chemical Foaming Agents are chemical substances, which decompose or react by the influence of heat, and are used to form foam cells in thermoplastics.
Description	Hydrocerol®1211 is a chemical foaming agent for the relatively low temperature foaming of certain thermoplastic resins. It is predominantly used in applications where high gas yields and high weight reductions are desired; typically PVC and TPE. It is effective for both free foam and Celuka process.
Physical Form	Yellowish free-flowing powder.
Technical Parameters	Start of decomposition approximately 130 - 140 °C. To optimise gas yield, processing temperatures of 160 - 170 °C, or higher, are suggested. To avoid gas loss, the feeding zone should be heated to max. 120 °C
Applications	<ul style="list-style-type: none"> • Extrusion • Injection Molding • Others
Advantages	<ul style="list-style-type: none"> • High gas yield • The raw materials used correspond to FDA Regulations (cleared under 177.1210) and the recommendations of the Plastics Commission of Food regulations of the German Federal Public Health Department.
Dosage	0.8 – 1.5 %: Injection Molding (Foaming for weight reduction) 0.2 – 0.8 %: Packing out, Sink elimination, Warpage reduction. 0.5 – 2.0 %: Extrusion (weight reduction)
Remarks	The product should be stored in a cool and dry place, away from direct sunlight.

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