

# Technical Product Information



## HYDROCEROL™ 2056

<b>Description</b>	Chemical substances that decompose or react by the influence of heat are called “chemical foaming agents”. They are used to produce foamed products for thermoplastic polymers. In the direct gas foaming processes the “chemical foaming agent” may also be used as “nucleating agent” to produce uniform and fine cell structures. HYDROCEROL™ 2056 is a chemical foaming and nucleating agent masterbatch for foaming of thermoplastic resins.
<b>Physical form</b>	White pellets, endothermic foaming agent masterbatch.
<b>Applications</b>	Direct gassing process (nucleating) Extrusion (weight reduction) Injection molding (weight and sink mark reduction) Especially recommended for polyolefin processing
<b>Typical properties</b>	Easy to feed and handle Multi purpose grade Non toxic decomposition products.
<b>Dosage</b>	0.1 – 0.3%: Direct gassing process (nucleating) 0.5 – 2.0 %: Extrusion (weight reduction) 0.5 – 2.0 %: Injection molding (weight reduction) 0.2 – 0.5 %: Injection molding (sink mark reduction) Start of decomposition 160 °C To avoid gas loss, the feeding zone should be heated to max. 160°C. To achieve optimum gas yield, a processing temperature of at least 220°C is suggested
<b>Packaging</b>	25 kg in woven sack bags
<b>Remarks</b>	The product should be stored in a cool and dry place, away from direct sunlight.

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