

# Technical Product Information



## Hydrocerol® 1622 Chemical Foaming Masterbatch

<b>General</b>	Chemical Foaming Agents are chemical substances, which decompose or react by the influence of heat, and are used to form foam cells in thermoplastics. Nucleating agents control the uniform formation of gas cells in foaming applications.		
<b>Description</b>	Hydrocerol® 1622 is an endothermic chemical foaming agent used for controlled foaming of thermoplastic resins; especially PP, TPO and certain engineering resins.		
<b>Physical form</b>	White Pellets		
<b>Applications</b>	Extrusion, Injection Molding and Others		
	<ul style="list-style-type: none"> <li>• High Temperature processing range</li> <li>• High gas yields</li> <li>• Fine cell structure</li> </ul>		
<b>Typical Properties</b>	<b>Property</b>	<b>Value</b>	<b>Norm</b>
	30 – 55 Pellets per gram	WIN-WI-4_10-10	N/A
<b>Processing Guidelines</b>	Start of decomposition approximately 150°C. To achieve optimum gas yield, a processing temperature in the range of 160-260°C is suggested. To avoid gas loss, the feeding zone should be heated to max. 140 °C		
<b>Dosage</b>	0.5 – 2.5 %: Injection Molding (Chemical foaming for weight reduction) 0.2 – 0.5 %: Injection Molding (Sink mark removal) 0.2 – 1.5 %: Extrusion (Chemical foaming / Weight reduction)		
<b>Packaging</b>	175 lbs.drums; 1,200 lb Gaylord box		
<b>Remarks</b>	The product should be stored in a cool and dry place, away from direct sunlight.		

This information corresponds to the present state of our knowledge and is intended as a general description of our products and their possible applications. Clariant makes no warranties, express or implied, as to the information's accuracy, adequacy, sufficiency or freedom from defect and assumes no liability in connection with any use of this information. Any user of this product is responsible for determining the suitability of Clariant's products for its particular application. \* Nothing included in this information waives any of Clariant's General Terms and Conditions of Sale, which control unless it agrees otherwise in writing. Any existing intellectual/industrial property rights must be observed. Due to possible changes in our products and applicable national and international regulations and laws, the status of our products could change. Material Safety Data Sheets providing safety precautions, that should be observed when handling or storing Clariant products, are available upon request and are provided in compliance with applicable law. You should obtain and review the applicable Material Safety Data Sheet information before handling any of these products. For additional information, please contact Clariant.

For sales to customers located within the United States and Canada the following applies in addition:

NO EXPRESS OR IMPLIED WARRANTY IS MADE OF THE MERCHANTABILITY, SUITABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE OF ANY PRODUCT OR SERVICE.

© Trademark of Clariant registered in many countries  
© 2012 Clariant International Ltd



CLARIANT MASTERBATCHES

382 Arbor Court  
Winchester, VA 22602  
USA

Phone +1-877-546-2885  
Fax +540-665-2917

[www.masterbatches.clariant.com](http://www.masterbatches.clariant.com)  
[www.clariant.com](http://www.clariant.com)