

# DYNOCEL® 680

## ACTIVATED ALUMINA SELECTIVE ADSORBENT SPHERICAL

### Typical Properties

<b>Chemical</b> (Volatile-free Basis)	Al <sub>2</sub> O <sub>3</sub> + Promoter	93.5 %
	Na <sub>2</sub> O	0.35 %
	SiO <sub>2</sub>	0.015 %
	LOI (250 – 1000 °C)	4.0 %
<b>Physical</b>	Abrasion Loss	0.25 weight %
	Attrition (% Retained)	99.5 weight %
	Crush Strength (5 mesh equivalent)	30 lbs (13.5 kg)
	Bulk Density	48 lbs/ft <sup>3</sup> (769 kg/m <sup>3</sup> )
	Size – nominal (other sizes available on request)	1/16", 1/8" (1.5 mm, 3 mm)
<b>Availability</b>	Shipping Point	Little Rock, Arkansas
	Packaging	2,000 lbs (907.2 kg) supersacks steel drums available

### Application

Spherical adsorbent for the purification of vapor or liquid phase olefinic hydrocarbon streams. Dynocel 680 is particularly useful for the removal of polar compounds such as water, alcohols, ammonia, ethers, ketones and mercaptans and acidic compounds such as H<sub>2</sub>S, COS, and CO<sub>2</sub>. Dynocel 680 exhibits low reactivity and typically does not require a preload step.

#### Disclaimer

This information and any recommendations, technical or otherwise, are presented in good faith and believed to be correct as of the date prepared. Recipients of this information and recommendations must make their own determination as to its suitability for their purposes. In no event shall Evonik assume liability for damages or losses of any kind or nature that result from the use of or reliance upon this information and recommendations. EVONIK EXPRESSLY DISCLAIMS ANY REPRESENTATIONS AND WARRANTIES OF ANY KIND, WHETHER EXPRESS OR IMPLIED, AS TO THE ACCURACY, COMPLETENESS, NON-INFRINGEMENT, MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE (EVEN IF EVONIK IS AWARE OF SUCH PURPOSE) WITH RESPECT TO ANY INFORMATION AND RECOMMENDATIONS PROVIDED. Reference to any trade names used by other companies is neither a recommendation nor an endorsement of the corresponding product, and does not imply that similar products could not be used. Evonik reserves the right to make any changes to the information and/or recommendations at any time, without prior or subsequent notice.

**Evonik Operations GmbH**  
Business Line Catalysts  
Rodenbacher Chaussee 4  
63457 Hanau  
Germany  
PHONE +49 6181 59-13399  
catalysts@evonik.com  
www.evonik.com/catalysts

