

DYNOCEL® 641

MOLECULAR SIEVE PROCESS ADSORBENT

Physical	Pore Diameter	10 Å
	Shape	Spherical or Extrudate
	Crush Strength	13 – 20 lbs (4 x 8 mesh) 6 – 10 lbs (8 x 12 mesh)
	Water Adsorption Capacity*	26.0 lbs water/100 lbs
	Heat of Adsorption	1,800 BTU/lb H ₂ O
	Specific Heat	0.23 BTU/lb °F
	Moisture Content	1.5 % in Maximum Weight
	Bulk Density – 4 x 8 mesh 8 x 12 mesh	37 – 42 lbs/ft ³ (640 kgs/m ³) 37 – 42 lbs/ft ³ (640 kgs/m ³)
	Size – nominal (other sizes available on request)	4 x 8 mesh, 1/8" (3.0 mm) 8 x 12 mesh, 1/16" (1.5 mm)
	Availability	Packaging
Application	Dynocel 641 is used to remove water, mercaptans, oxygenates, high molecular weight sulfur compounds and other contaminants from vapor phase and liquid phase olefinic hydrocarbons. Dynocel 641 requires a preload step prior to use in olefinic hydrocarbon streams. Dynocel 641 is used to remove water, carbon dioxide, hydrogen sulfide, oxygenates, mercaptans, high molecular weight sulfur compounds and other contaminants from vapor phase and liquid phase paraffinic hydrocarbons.	

*at 25 °C and 17.5 mm Hg.

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

