



The Chemical Company

Product Data Sheet

PetroMax™

Fluid Catalytic Cracking (FCC) catalyst with application versatility

BASF Catalysts introduces PetroMax, an FCC catalyst serving versatile FCC applications.

Technology

PetroMax combines high matrix activity with selective zeolitic cracking in a catalyst with a very wide range of activity levels.

A proprietary active matrix enables pre-cracking of large hydrocarbon molecules on the catalyst surface prior to further reaction in zeolite structures.

Activity is achieved with BASF Catalysts' proprietary Pyrochem Plus zeolite technology.

Applications

PetroMax is a versatile product and is manufactured in a wide spectrum, enabling its use in the following situations:

- FCC units operating with highly hydroprocessed feedstocks that desire higher regenerator temperatures
- FCC units wanting to maximize Light Cycle Oil production
- FCC units with severe particulate emissions concerns
- FCC units needing higher catalyst activity in circulation limited operation to improve economic performance
- FCC units requiring a higher density catalyst for improved operability

Typical Properties*

Chemical Composition

Al ₂ O ₃ , wt. %	33–42
Na ₂ O, wt. %	0.22–0.37
REO, wt. %	1.0–5.0
Surface area m ² /g	200–385

Density

ABD, g/cm ³	0.67–0.93
------------------------	-----------

Particle Size

APS, μm	75
0–40, %	12

*Properties can be customized to individual refiners' needs. These are the typical ranges that can be achieved.

About BASF

BASF Catalysts is the Global Leader in Catalysis, and is part of BASF - The Chemical Company. By leveraging our industry-leading R&D platforms, BASF's global research infrastructure and our passionate pursuit of innovation, we develop unique, proprietary technologies that drive customer success. Our catalytic solutions cover a wide range from chemical and refinery processes, to adsorbents and mobile emissions. In addition, we offer broad experience in trading base and precious metals.

BASF - The Chemical Company

BASF Catalysts Headquarters

BASF Catalysts LLC
25 Middlesex/Essex Turnpike
P.O. Box 770
Iselin, NJ 08830-0770
Tel: +1-732-205-7188
Fax: +1-732-205-7725
Email: refining-catalysts@basf.com

Asia Sales Office

BASF South East Asia Pte Ltd
7 Temasek Boulevard
#35-01 Suntec Tower One
Singapore 038987
Tel: +65-6337-0330
Fax: +65-6398-5104
Email: refining-catalysts@basf.com

Europe, Middle East, Africa Sales Office

BASF plc
Earl Road, Cheadle Hulme
P.O. Box 4
Cheadle, CHESHIRE, SK8 6QG, UK
Tel: +44-(0)-161-488-5156
Fax: +44-(0)-161-485-5487
Email: refining-catalysts@basf.com

For more information, contact the BASF Catalysts office in your region or visit

www.catalysts.basf.com/refining

PetroMax is a trademark of BASF.

Although all statements and information in this publication are believed to be accurate and reliable, they are presented gratis and for guidance only, and risks and liability for results obtained by use of the products or application of the suggestions described are assumed by the user. NO WARRANTIES OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH. Statements or suggestions concerning possible use of the products are made without representation or warranty that any such use is free of patent infringement and are not recommendations to infringe any patent. The user should not assume that toxicity data and safety measures are indicated or that other measures may not be required. © 2008 BASF Catalysts

BF-8723 Rev. 11/08