

# Converter<sup>®</sup>

## Fluid Catalytic Cracking (FCC) co-catalyst for activity enhancement

**BASF produces Converter, a co-catalyst designed to boost FCC conversion**

### Premium Technology

Based on BASF's commercially proven Distributed Matrix Structures™ (DMS) technology, Converter delivers activity enhancement with the added benefit of coke-selective bottoms upgrading.

### Maximum Results by Design

DMS technology provides Converter with a tailored porosity allowing the diffusion of heavy hydrocarbons into the particle resulting in selective cracking. Feed pre-cracking is achieved on the selective external zeolite surface rather than on an amorphous, non-selective matrix resulting in a high gasoline yield, low coke, and low dry gas make. The combination of these matrix and zeolite technologies allows for a highly active co-catalyst with excellent coke selectivity.

### Applications

The use of a co-catalyst such as Converter is a cost-effective way to quickly capture economic opportunities. Performance benefits are enjoyed at the low inventory levels typical of co-catalysts while avoiding dilution effects common with other additives or co-catalysts not designed to increase conversion.

Converter optimizes current operations by providing both activity and selectivity benefits resulting in:

- Improved overall profitability and/or operating flexibility without reformulating the FCC catalyst
- Increased activity without increasing delta coke
- Optimal pore-size distribution to offset changes in feed quality

### Packaging

- 1 ton super sacks
- Bulk (greater than 15 tons)

### Target Properties

#### Surface Area

TSA, m <sup>2</sup> /g	350 - 400
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#### Density

ABD, g cm <sup>-3</sup>	0.80
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#### Particle size\*

APS, μm	89
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0-40, %	10
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## About Us

BASF's Catalysts division is the world's leading supplier of environmental and process catalysts. The group offers exceptional expertise in the development of technologies that protect the air we breathe, produce the fuels that power our world and ensure efficient production of a wide variety of chemicals, plastics and other products, including advanced battery materials. By leveraging our industry-leading R&D platforms, passion for innovation and deep knowledge of precious and base metals, BASF's Catalysts division develops unique, proprietary solutions that drive customer success.

**BASF - We create chemistry**

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