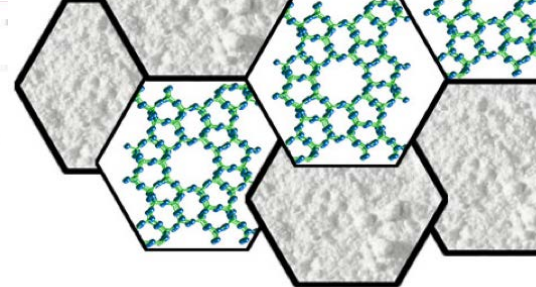


# HYZSM5

## MOLECULAR SIEVE



### DESCRIPTION

**HYZSM5** is a specially manufactured synthetic zeolite with an MFI Framework that is used in FCC units to provide high catalytic activity, low coke formation, and reliable stability. Due to its cation, this catalyst is used in acid-catalyzed reactions for hydrocarbon isomerization and alkylation such as the isomerization of meta-xylene to para-xylene. This framework can also be used with an impregnation to produce more specialized catalysts to accelerate reactions.

- used in Fluid Catalytic Cracking Units (FCCs) and methanol to propylene or gasoline processes
- capable of producing a product stream with a higher value
- can be used in alkylation, isomerization, aromatization, dewaxing
- offers high reactivity as a catalyst with low coke formation

### SPECIFICATIONS

Molecular Sieve									
HYZSM5		Powder							
Property	Unit	white							
Crystallinity	%	≥95	≥90	≥95	≥90	≥95	≥90	≥90	≥95
SiO <sub>2</sub> / Al <sub>2</sub> O <sub>3</sub>	ratio	25-100	25-100	100-200	100-200	200-400	200-450	≥300	≥450
Surface Area	m <sup>2</sup> /g	≥320	≥330	≥320	≥330	≥320	≥330	≥330	≥320
Na <sub>2</sub> O	wt%	≤0.10							
Crystal Size	μm	1							
Loss on Ignition	wt%	≤5.0							
Packaging Options	Super Sack options available; 40kg (88.2lb) / Bag; 20kg (44.1lb) / Bag								

### INDUSTRIES USED

catalyst base  
ethanol oxidation  
acetaldehyde production  
methanol to gasoline

hydrocarbon isomerization  
acetic acid production  
fluid catalytic cracking

hydrocarbon alkylation  
dewaxing  
methanol to propylene

### STORAGE

As an adsorbent, molecular sieve should not be left exposed to open air and should be stored in dry conditions with air-proof packaging.

## CONNECT WITH US...

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