

## Synthetic Zeolite Powder Low-Silicon ZSM-5

**Low-Silicon ZSM-5 Synthetic Zeolite** is ZSM-5 zeolite designed with Si/Al ratio around 30, offering excellent thermal stability, anti-coking properties, and high catalytic selectivity. It is widely used in fluid catalytic cracking and deep catalytic cracking. This product provides optimal balance between acidity and stability, making it ideal for high-temperature catalytic reactions. Key advantages include high efficiency, superior selectivity, and extended lifespan, ensuring reliable performance in demanding industrial applications such as hydrocarbon conversion and isomerization.

Property	Unit	ZSM-5 (Na Type)	ZSM-5 (H Type)	Note
Relative Crystallinity	%	-	≥88.0	XRD
Na <sub>2</sub> O	%	-	<0.15	
D90	μm	-	≤5.0	
SiO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub>	/	28-35	28-35	XRF
BET Surface Area	m <sup>2</sup> /g	≥300	≥360	BET Analyzer
Bulk Density	g/ml	0.67-0.72	-	Trapped
Water Content	%wt	≤9.0	≤10.0	550°C, 1hr

### Recommended Application:

- Fluid Catalytic Cracking
- Deep Catalytic Cracking

### Packing:

- 500KG Super Sack
- Other packing according to your requirement.

## Synthetic Zeolite JLVC-1

**Synthetic Zeolite JLVC-1** is a high-performance molecular sieve with well-developed three-dimensional microporous channels, specifically designed for efficient adsorption of small-molecule VOCs. Its exceptional hydrophobicity and organophilicity make it ideal for separating VOCs from industrial exhaust gases, even in the presence of water vapor. With a unique crystal structure, JLVC-1 offers excellent thermal and hydrothermal stability, while its uniform pores ensure superior adsorption and desorption performance. As a next-generation alternative to traditional carbon materials like activated carbon, JLVC-1 is effective in adsorbing VOCs such as benzene, toluene, xylene, styrene, and various alcohols and aldehydes.

Property	Unit	Powder	Note
D50	μ m	≤ 5.00	
Static Water Adsorption Capacity	%	≤4.0	RH75%, 25°C
N-hexane Adsorption Capacity	%	≥12	0°C, 36mmHg
Specific Surface Area	m <sup>2</sup> /g	≥360	BET
Water Content	wt%	≤2.0	550°C, 1h
SiO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> Ratio	-	≥1000	

### Recommended Application:

Removal of VOCs

### Packing:

- 500KG Super Sack
- Other packing according to your requirement.