

In addition to the standard materials, Eurecat stands ready to develop customized ZSM-5's for your specific application. Zeolite particle size, crystal size, crystal morphology, hydrophobic/hydrophilic character, exchange cation, surface/bulk characteristics and porosity may all be adjusted to your unique requirements.

**ZSM-5 Standard Products**
**Special Metal ZSM-5's**

	<u>5-R</u>	<u>5-X</u>	<u>5-S</u>	<u>HZX</u>	<u>5-300</u>	<u>5-500</u>	<u>Cu-ZSM-5</u>	<u>Fe-ZSM-5</u>	<u>Fe-ZSM-5</u>
	Std.	Small Crystal	Hi Stability		Hi ratio	Hi ratio	Std.	Std.	Hi Stability
SiO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub>	25- 30	23 - 27	30 - 35	45 - 50	300	500	25	25	60
Cation	NH4	H	H	H	NH4	NH4	Cu	Fe	Fe
Na <sub>2</sub> O, wt %	< 0.1	< .05	< .05	< .05	< 0.1	< 0.1	< .05	< .05	< .05
TSA, BET m <sup>2</sup> /g	>350	> 400	> 375	> 400	> 400	> 400	> 350	> 350	> 350
ZSA, BET m <sup>2</sup> /g	> 320	> 340	> 330	> 330	> 350	> 350	> 325	> 325	> 325
D(50), microns	< 6	<6	< 8	< 5	< 5	< 5	< 5	< 5	< 6
Crystal Size (typ.)	1000 nm	200 nm	800 nm	800 nm	2000 nm	3000 nm	custom	custom	custom

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