

Here are some typical ZSM-5 and Beta Products from TRICAT. In addition to the standard materials, TRICAT stands ready to develop customized Y zeolites 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 and Beta are available as powders, or in custom tablets, extruded pellets, spheres, rings and spray dried microspheres.

**ZSM-5 Standard Products**

**Beta Standard Products**

	<u>5-R</u>	<u>5-X</u>	<u>5-S</u>	<u>HZX</u>	<u>5-300</u>	<u>5-500</u>	<u>B-25</u>	<u>B-150</u>	<u>B-300</u>
	Std.	Small Crystal	Hi Stability		Hi ratio	Hi ratio	Std.	Hi Ratio Hi Stability	
SiO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub>	25- 30	23 - 27	30 - 35	45 - 50	~300	~500	20 - 25	140 - 160	275 - 325
Cation	NH <sub>4</sub>	H	H	H	NH <sub>4</sub>	NH <sub>4</sub>	NH <sub>4</sub>	NH <sub>4</sub>	NH <sub>4</sub>
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	> 500	> 500	> 500
ZSA, BET m <sup>2</sup> /g	> 320	> 340	> 330	> 330	> 350	> 350	> 450	> 450	> 450
D(50), microns	< 6	<6	< 8	< 5	< 5	< 5	< 12	< 12	< 15
Crystal Size (typ.)	1000 nm	200 nm	800 nm	800 nm	2000 nm	3000 nm	< 100 nm	< 100 nm	< 100 nm

