

## ***J-CHEM ZSM-5***

### **Molecular Sieve**

Precursor for the catalyst used in refinery (fluid cracking and hydro-treating)

#### **Typical Properties:**

Type	Product Name	SiO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub>	Relative Crystallinity %	Na <sub>2</sub> O%	n-Hexane Absorbance	Crystal Grain μ
1	Low Silicon HZSM – 5	25-30	≥90	0.08	≥10	0.2-0.5
2	Normal HZSM – 5	35-40	≥90	0.08	≥10	0.2-0.5
3	Middle Silicon HZSM – 5	50-120	≥90	0.08	≥10	0.2-0.5
4	High Silicon HZSM – 5	260-300	≥90	0.08	≥10	0.2-0.5

✂ The products are examined by x-ray diffraction to contain no stray crystal and can be either culminated or only baked per consumers' requests. The water content is less than 5 % for the culminated products.

✂ X-ray diffraction spectrum matches the standard spectrum published by American Mobile company. The products contain no stray crystal.

✂The crystal size was measured by SEM. All ZSM – 5 molecular sieves are flat structure with small granularity.

✂Surface Area: the product were made by our unique technology and the surface area generally are 20% higher than most of other molecular sieves.