ZSM-5 Zeolite(SiO2/Al2O3:300)

The ZSM-5 type zeolite produced by means of a template agent based hydrothermal crystallization method is featured with high relative crystallinity and high silica - alumina ratio,wherein the relative crystallinity is no less than 85%,the SiO_2/Al_2O_3 molar ration is no less than 300,the Na_2O is no more than 0.1%,and the average grain size is 300nm.

ZSM-5-300 Quality Control Targets

Item	Unit	Max	Typical	Max	Analytical Method
Relative crystallinity	%	80	85		X-ray diffractometer
Total specific surface	m^2/g	350	380		N_2 Adsorption
Microporous specific surface	m^2/g	280	310		N_2 Adsorption
Silica-alumina ratio	/	260	290	330	XRF
Na_2O	wt%		0.050	0.1	Flame Photometric Analysis
SO_4^{2-}	wt%		0.20	0.4	XRF
CI-	ppm			70	Chemical Analysis
LOI	wt%		4	10	Gravimetric Analysis
D,50	μm		6	7	Laser Scatter Distribution
D,90	μm		8.0	9	Laser Scatter Distribution