

## NaY Zeolite



Y-type zeolite has a relatively high crystallinity and silica-alumina ratio, wherein the relative crystallinity is no less than 88%, and the  $\text{SiO}_2/\text{Al}_2\text{O}_3$  molar ratio is no less than 5.2.

### NaY Quality Control Targets

Item	Unit	Max	Typical	Max	Analytical Method
Relative crystallinity	%	87	90		X-ray diffractometer
Total specific surface	$\text{M}^2/\text{g}$	680	700		$\text{N}_2$ Adsorption
Pore Volume	$\text{mL/g}$		0.35		$\text{N}_2$ Adsorption
Silica-alumina ratio	/	5.0	5.2		XRF
$\text{Na}_2\text{O}$	wt%		12.0	13.0	Flame Photometric Analysis
LOI	wt%		18	22	Gravimetric Analysis
D,50	$\mu\text{m}$		5	6	Laser Scatter Distribution

