


Crystal Structure	Series	Cation	Pore Size	Form	Type	Size*	Standard Packaging			Main Application	
							Flexible Container	200L Drum	40L Drum		
	A-3	K ⁺	3 Å	Bead		4 ~ 8 mesh	—	150 kg	30 kg	•Drying of various solvents at chemical plants •Prevention of cloudiness in insulated glass •Bio-ethanol dehydration	
						8 ~ 10 mesh					
						9 ~ 14 mesh					
						814					Cardboard (25 kg)
						585					
	Pellet	CGS	1.5 mmφ 3 mmφ	500 kg	125 kg	20 kg	•Drying cracking gas •Drying of various solvents at chemical plants				
	Powder		100 mesh pass	—	—	20 kg	•Removal of trace moisture in polymers •Foam inhibitor for materials such as urethane sealing				
	A-TYPE	A-4	Na ⁺	4 Å	Bead		4 ~ 8 mesh	—	150 kg	30 kg	•Drying of various solvents at chemical plants
							8 ~ 10 mesh				
							9 ~ 14 mesh				
14 ~ 20 mesh											
Pellet			1.5 mmφ	500 kg	125 kg	25 kg	•Drying of various solvents at chemical plants				
Powder			100 mesh pass	—	—	18 kg	•Brake pad •Cosmetics •Foam inhibitor for materials such as urethane sealing •Removal of trace moisture in polymers				
								LPH	100 mesh pass		
A-5	Ca ²⁺	5 Å	Bead		4 ~ 8 mesh	—	150 kg	20 kg	•Drying of SF6		
			Pellet	SA-500A	1.5 mmφ	500 kg	125 kg	20 kg	•O2-PSA, H2-PSA		
			Powder		100 mesh pass	—	—	20 kg	•Removal of moisture in polymerization		
X-TYPE	F-9	Na ⁺	9 Å	Bead		4 ~ 8 mesh	—	140 kg	20 kg	•Adsorption of gases generated during semiconductor manufacturing processes •Drying of SF6	
						8 ~ 10 mesh					
						9 ~ 14 mesh					
						14 ~ 20 mesh					
		Pellet		HA	1.5 mmφ	500 kg	125 kg	20 kg	•Drying, purification, and cryogenic separation in various chemical fields		
Powder		100 mesh pass	—	—	15 kg	•Adsorption of impurities in polymerization processes					
LSX-TYPE	NSA-700	Li ⁺	9 Å	Pellet		1.2 mmφ	500 kg	120 kg	20 kg	•O2-PSA	
											Pellet

* 4 – 8 mesh (4.75 – 2.36 mm), 8 – 10 mesh (2.36 – 1.40 mm), 9 – 14 mesh (2.00 – 1.18 mm), 12 – 20 mesh (1.40 – 0.85 mm), 14 – 20 mesh (1.18 – 0.85 mm), 20 – 32 mesh (0.85 – 0.50 mm), 100 mesh (0.15 mm).

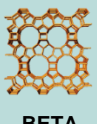



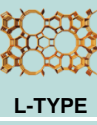
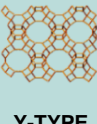
** Packaging subject to change without notice.

HSZ® Pellet

Crystal Structure	Series	Pore Size	Form	Cation	Grade	SiO ₂ /Al ₂ O ₃ ratio (mol/mol)	Binder
BETA	HSZ-900	6.5 Å	1.5 mmφ Pellet	H ⁺	931HOD1A	27	Alumina
					940HOD1C	40	Clay
					940HOD1A	40	Alumina
ZSM-5	HSZ-800	5.8 Å	1.5 mmφ Pellet	H ⁺	822HOD1A	23	Alumina
					840HOD1A	40	Alumina
					891HOD1A	1,500	Alumina
Ferrierite	HSZ-700	4.8 Å	1.5 mmφ Pellet	K ⁺	720KOD1C	18	Clay
Mordenite	HSZ-600	7 Å	1.5 mmφ Pellet	H ⁺	640HOD1A	18	Alumina
				Na ⁺	642NAD1C	18	Clay
				H ⁺	690HOD1A	240	Alumina
L-TYPE	HSZ-500	8 Å	1.2 mmφ Pellet	K ⁺	500KODAC	6.1	Clay
Y-TYPE	HSZ-300	9 Å	1.5 mmφ Pellet	Na ⁺	320NAD1W	5.5	Clay
				H ⁺	320HOD1C	5.5	Clay
					330HUD1C	6	Clay
					385HUD1C	100	Clay

* Please don't hesitate to ask us if you are interested in other types of zeolites.

HSZ Powder

Crystal Structure	Series	Pore Size	Cation	Type	SiO ₂ /Al ₂ O ₃ ratio (mol/mol)	BET Surface Area (m ² /g)	Crystal Size (μm)	Particle Size (μm)	NH ₃ -TPD (mmol/g)	
 BETA	HSZ-900	6.5 Å	Template*	920NHA	18	580	0.02~0.04	7	-	
				930NHA	27	590	0.04	5	-	
				940NHA	40	580	0.5~1	4	-	
			H ⁺	931HOA	28	510	0.5	3	1.2	
				940HOA	40	530	0.5~1	4	0.5	
				941HOA	40	520	0.5~1	4	0.8	
				980HOA	500	500	0.5~1	2.5	-	
 ZSM-5	HSZ-800	5.8 Å	NH ₄ ⁺	820NHA	23	340	0.1x0.5	5	-	
				840NHA	40	330	2x4	10	-	
			H ⁺	822HOA	24	330	0.1x0.5	5	1.8	
				840HOA	40	330	2x4	10	1.3	
				890HOA	1,500	310	2x5	10	-	
				891HOA	1,500	310	2x5	4	-	
 Ferrierite	HSZ-700	4.8 Å	NH ₄ ⁺	720NHA	18	260	≤ 1	6	2.6	
			K ⁺	720KOA	18	170	≤ 1	20	-	
 Mordenite	HSZ-600	7 Å	Na ⁺	642NAA	18	-	0.1x0.5	12	-	
			H ⁺	620HOA	15	400	1~3	18	2.0	
				640HOA	18	380	0.1x0.5	12	0.7	
				660HOA	30	400	0.1x0.5	12	1.2	
				690HOA	240	450	0.1x0.5	12	0.2	
 L-TYPE	HSZ-500	8 Å	K ⁺	500KOA	6.1	290	0.4	4	-	
 Y-TYPE	HSZ-300	9 Å	NH ₄ ⁺	341NHA	7	700	0.7~1.0	3~5	2.0	
				371NHA	25	670	0.7~1.0	2~3	-	
			H ⁺	Na ⁺	320NAA	5.5	660	0.2~0.4	6~8	-
				320HOA	5.5	550	0.2~0.4	6~8	0.7	
				330HUA	6	550	0.2~0.4	6~8	1.0	
				331HSA	6	600	0.7~1.0	2~3	2.0	
				350HUA	10	650	0.2~0.4	5~7	1.1	
				360HUA	15	550	0.2~0.4	5~7	0.1	
				385HUA	100	600	0.7~1.0	2~3	-	
390HUA	500	630	0.2~0.4	5~7	< 0.1					

* Products still contains organic template, that may need to be removed before use.

Flammable gases can be produced when heated above acout 200deg-C.

** Please don't hesitate to ask if you are interested in other types of zeolites or custom-made zeolites.

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