

St. Cloud Zeolite Typical Standard Screen Size Analysis

Nominal Particle Size	Approximate Particle Size		Percentage (%) Retained on Laboratory Screens																					
			Powders						Granules						Aggregates									
(US Standard Mesh)	Inches	Millimeters	-325 mesh		-100 mesh		-40 mesh		14x40 mesh		8x14 mesh		6x8 mesh		1/4 in x 6 mesh		1/4 in x 1/2 in		1/2 in x 5/8 in		5/8 in x 1 in			
			Range	Typical	Range	Typical	Range	Typical	Range	Typical	Range	Typical	Range	Typical	Range	Typical	Range	Typical	Range	Typical	Range	Typical		
1 Inch	1	25.40 mm																			<2	<1		
3/4 Inch	3/4	19.00 mm																			<2	<1	5-15	10
1/2 Inch	1/2	13.00 mm															<2	<1	50-60	55	90-95	90		
1/4 Inch	1/4	6.35 mm													<2	<1	50-85	75	35-50	45	<2	<1		
4 mesh	7/32	4.70 mm													28-30	29	15-45	24	<2	<1				
6 mesh	9/64	3.40 mm											<2	<1	52-54	53	<2	<1						
8 mesh	7/64	2.40 mm								<2	<1	50-75	65	14-17	17									
14 mesh	3/64	1.40 mm							<2	<1	70-90	80	25-45	32	<2	<1								
20 mesh	1/32	0.84 mm							20-70	45	10-20	18	<2	<1										
30 mesh	1/48	0.60 mm							17-50	30	<2	<1												
40 mesh	1/64	0.42 mm			<2	<2	<3	<2	10-18	18														
70 mesh	n/a	0.21 mm			<10	9	10-14	11	n/a	n/a														
100 mesh	n/a	0.15 mm			5-50	25	14-55	25	<7	5														
<100 mesh	n/a	<.15 mm			10-50	25	n/a	n/a	<2	<1														
140 mesh	n/a	105 μ			10-50	25	12-35	20																
200 mesh	n/a	74 μ			<20	15	10-40	25																
325 mesh	n/a	44 μ	<2	1.5		n/a	n/a	n/a																
<325 mesh	n/a	<44 μ	98-100	98.5		n/a	<20	15																
Bulk Density (lbs/ft³):																								
NM-Ca, NV-Na			35-40		45-50		45-50		48-52		45-50		45-50		45-50		48-52		48-52		48-52			
AZLB-Ca, AZLB-Na, AZ-UB			-		-		40-44		40-44		40-44		40-44		40-44		-		-		-			
Standard Product / Size Availability:																								
Not all sizes are readily available. Call to discuss special requirements	NM - Ca		√		√		√		√		√		√		√		√		√		√		√	
	NV - Na		-		-		√		√		√		√		√		-		-		-		-	
	AZLB - Ca		-		-		√		√		√		√		√		-		-		-		-	
	AZLB - Na		-		-		√		√		√		√		√		-		-		-		-	
	AZ-UB		-		-		√		√		√		√		√		-		-		-		-	

Notes: All laboratory analysis performed similar to ASTM D392, Method A. Laboratory Sieves are U.S. Standard mesh and plant screens are standard "mill grade".