

St. Cloud Zeolite Screen Size Analysis

Nominal Particle Size Mesh	Approx. Particle Size Inches	Microns (um) Approx.	Millimeters (MM) Approx.	Lab Opening US Std. (Inches)	Plant Opening Mill Gr. (Inches)	Percentage (%) Retained on Laboratory Screens											
						Powders			Sands		Granules				Aggregates		
						-325 Mesh	-100 Mesh	-40 Mesh	40x80 Mesh	14x40 Mesh	8x14 mesh	6x14 mesh	6x8 mesh	4x6 Mesh	4 mesh x 1/2 in	1/2 in x 3/4 in	3/4 in x 1 in
1 Inch	1	25,400	25.40	1.000	1.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
3/4 Inch	3/4	19,050	19.00	0.750	0.750	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.9
1/2 Inch	1/2	12,700	13.00	0.500	0.500	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	64.47	44.0
4 Mesh	7/32	4,760	4.70	0.157	0.215	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	50.59	35.13	3.4
6 Mesh	9/64	3,360	3.40	0.132	0.139	0.00	0.00	0.00	0.00	0.00	0.00	0.21	1.08	75.67	46.83	0.06	0.5
8 Mesh	7/64	2,380	2.40	0.094	0.100	0.00	0.00	0.00	0.00	0.00	1.23	30.03	70.58	23.32	n/a	n/a	n/a
14 Mesh	3/64	1,410	1.40	0.055	0.054	0.00	0.00	0.00	0.00	0.12	87.05	64.70	27.58	0.56	4.72	0.05	0.6
20 Mesh	1/32	841	0.84	0.033	0.036	0.00	0.00	0.00	0.55	41.98	10.67	n/a	n/a	n/a	n/a	n/a	n/a
40 Mesh	1/64	420	0.42	0.017	0.017	0.00	2.00	0.70	5.01	53.66	0.47	4.31	n/a	n/a	0.11	0.03	0.4
70 Mesh	n/a	210	0.21	0.008	n/a	0.00	8.00	30.40	91.71	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
100 Mesh	n/a	149	0.15	0.006	n/a	0.00	6.20	14.60	2.04	4.62	0.10	0.09	0.21	0.07	0.28	0.04	0.4
<100 Mesh	n/a	<149	<.15	<.006	n/a	0.00	83.70	54.20	0.68	0.61	0.49	0.66	0.55	0.34	1.86	0.22	0.7
140 Mesh	n/a	105	0.10	0.004	n/a	0.00	7.70	14.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	n/a	0.0
200 Mesh	n/a	74	0.07	0.003	n/a	0.00	6.50	7.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	n/a	0.0
325 Mesh	n/a	44	0.04	0.002	n/a	1.50	10.90	8.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	n/a	0.0
<325 Mesh	n/a	<44	<0.04	<.0017	n/a	98.50	58.60	23.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	n/a	0.0
Typical Density (lbs/ft3)						45.0	51.5	50.3	50.1	49.0	46.0	48.4	46.0	44.7	48.0	50.5	48.5
Typical Moisture %						8.5	7.0	6.6	5.6	3.8	2.9	4.6	3.5	3.5	6.3	7.6	7.2

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".