

# BLASTITE<sup>®</sup> Blasting Grain

Typical Screen Analysis for BLASTITE<sup>®</sup>

## GRIT SIZE

<b>16</b>		All pass No. 8 Screen 6% retained on No. 14 Screen 88% retained on No. 18 Screen Max 5% thru a No. 25 Screen	<b>80</b>		All pass No. 45 Screen 21% retained on No. 70 Screen 74% retained on No. 100 Screen Max 5% thru a No. 140 Screen
<b>20</b>		All pass No. 10 Screen 12% retained on No. 16 Screen 79% retained on No. 20 Screen Max 5% thru a No. 30 Screen	<b>90</b>		All pass No. 50 Screen 10% retained on No. 80 Screen 84% retained on No. 120 Screen Max 5% thru a No. 170 Screen
<b>24</b>		All pass No. 14 Screen 19% retained on No. 18 Screen 76% retained on No. 25 Screen Max 5% thru a No. 40 Screen	<b>100</b>		All pass No. 60 Screen 4% retained on No. 100 Screen 85% retained on No. 140 Screen Max 5% thru a No. 230 Screen
<b>30</b>		All pass No. 16 Screen 10% retained on No. 20 Screen 90% retained on No. 35 Screen Max 5% thru a No. 45 Screen	<b>120</b>		All pass No. 70 Screen 15% retained on No. 120 Screen 75% retained on No. 170 Screen Max 5% thru a No. 270 Screen
<b>36</b>		All pass No. 18 Screen 8% retained on No. 25 Screen 94% retained on No. 40 Screen Max 5% thru a No. 50 Screen	<b>150</b>		All pass No. 80 Screen 10% retained on No. 140 Screen 76% retained on No. 230 Screen Max 5% thru a No. 325 Screen
<b>46</b>		All pass No. 25 Screen 19% retained on No. 40 Screen 80% retained on No. 50 Screen Max 5% thru a No. 70 Screen	<b>180</b>		All pass No. 80 Screen 7% retained on No. 170 Screen 39% retained on No. 230 Screen 24% thru a No. 270 Screen
<b>54</b>		All pass No. 30 Screen 8% retained on No. 45 Screen 86% retained on No. 60 Screen Max 5% thru a No. 80 Screen	<b>220</b>		All pass No. 100 Screen 7% retained on No. 200 Screen 48% retained on No. 270 Screen 25% thru a No. 325 Screen
<b>60</b>		All pass No. 35 Screen 20% retained on No. 50 Screen 78% retained on No. 70 Screen Max 5% thru a No. 100 Screen	<b>240</b>		All pass No. 120 Screen 4% retained on No. 200 Screen 21% retained on No. 270 Screen 50% thru a No. 325 Screen
<b>70</b>		All pass No. 40 Screen 10% retained on No. 60 Screen 74% retained on No. 80 Screen Max 5% thru a No. 120 Screen			

\* For allowable grading limits, refer to ANSI B74.12-2001 Table 3

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# Particle Size Conversion Chart

This chart is designed to compare millimeters, microns and inches to sieve sizes and match them to corresponding ANSI grit sizes.

Millimeters	Microns	Inches	ASTM Sieve	Tyler Sieve	*ANSI Table 2	*ANSI Table 3
5.60	5600	0.220	3 1/2	3 1/2	5-5	—
4.75	4750	0.187	4	4	4	—
4.00	4000	0.157	5	5	5	—
3.35	3350	0.132	6	6	6	—
2.80	2800	0.110	7	7	7	—
2.36	2360	0.093	8	8	8	—
2.00	2000	0.079	10	9	10	—
1.70	1700	0.067	12	10	12	—
1.40	1400	0.055	14	12	14	—
1.18	1180	0.046	16	14	16	16
1.00	1000	0.039	18	16	20	20
0.850	850	0.033	20	20	22	24
0.710	710	0.028	25	24	24	—
0.600	600	0.024	30	28	30	30
0.500	500	0.02	35	32	36	36
0.425	425	0.018	40	35	40	—
0.355	355	0.014	45	42	46	46
0.300	300	0.012	50	48	54	54
0.250	250	0.010	60	60	60	60
0.212	212	0.008	70	65	70	70
0.180	180	0.007	80	80	80	80
0.150	150	0.006	100	100	90	90
0.125	125	0.005	120	115	100	100
0.106	106	0.004	140	150	120	120
0.075	75	0.0030	200	200	150	150
0.063	63	0.0025	230	250	180	180
0.053	53	0.0021	270	270	220	220
0.045	45	0.0018	325	325	240	240

## MICRO GRITS

Millimeters	Microns	Inches	D3% Max	D50 +/-	D94% Min	ANSI Grit Size
0.0500	50.0	0.00200	74-80	47-53	26-32	240
0.0395	39.5	0.00156	67-72	37-42	20-25	280
0.0295	29.5	0.00116	55-60	27-32	15-19	320
0.0230	23.0	0.00091	38-42	21-25	10.5-14.5	360
0.0183	18.3	0.00072	31.5-35.0	16.5-20	7.5-10.5	400
0.0139	13.9	0.00055	28.0-30.5	12.5-15.3	8.5-8.0	500
0.0106	10.6	0.00042	24.0-27.0	9.2-11.9	—	600
0.0077	7.8	0.0003	20.5-22.5	6.5-8.8	—	800
0.0058	5.8	0.00023	16-18	5.2-6.4	—	1000
0.0038	3.8	0.00015	13.5-15.5	2.8-4.8	—	1200
0.0450	45	0.0018	80	38-52	20	F
0.0275	27.5	0.0011	45-55	23-32	9-16.5	FF
0.0160	16	0.00063	35	12-20	5	FFF
0.0110	11	0.00043	35	11	4	FFFF

\* A grit size is defined by the distribution of grits retained on a sieve set up that meets the requirements of ANSI Table 2 or 3. The numbers in the two sieve columns in this chart represent the midpoint sieve for the grading of the corresponding grit size. We've chosen to show the midpoint sieve since more material will be retained on this sieve than on any other in the sieve set up.