



International Garnet for Water Filtration

Opta Minerals your source for Blast Cleaning Abrasives:

- Crushed Glass
- FilPro Filtration Sand and Gravel
- FilPro Gravel and NJ Series Sand
- Galaxy Garnet
- International Garnet
- Temisca Filtration Sand

Contact Us

Our sales team is ready to help you to determine the right product for your job.
 For more information please call us:
 Toll-free: 888-689-6661
 Tel: 519-720-9694
 E-mail: info@optaminerals.com
 Visit: www.optaminerals.com

International Garnet is mined as a by-product in a mineral mining process. In our state of the art facility in Keeseville, NY and in Laval, Québec, the Garnet is crushed, screened and packaged as per customer's requirements.

International Garnet is a HIGH DENSITY Garnet for use in Municipal and Industrial water filtration systems.

ADVANTAGES OF INTERNATIONAL GARNET FOR WATER FILTRATION

- UL Certified in accordance with ANSI/NSF Standard 61, Drinking Water System Components
- High Density product
- Custom screens sizes available

AVAILABLE SIZES AND PROFILES



Sieve U.S. Standard	µm	#8	#8/12	#12	#20/40	#36	#30-40	#50	#60	#80
6	3350	0.0	0.0	0.0						
7	2800	2.8	0.9	1.2						
8	2360	36.9	17.2	7.2						
10	2000	53.8	60.7	40.2						
12	1700	5.4	17.6	30.7						
14	1400	0.8	2.8	17.6						
16	1180	0.1	0.3	2.3						
18	1000	0.2	0.5	0.7		0.6				
20	850				0.0	8.1				
25	710				0.5	43.6	0.3			
30	600				20.4	22.9	2.2	0.8		
35	500				70.6	20.1	23.4	0.9		
40	425				7.8	3.5	38.1	0.9	0.0	
45	355				0.6	0.9	33.0	51.2	23.2	0.1
50	300				0.1	0.3	2.6	31.1	53.3	6.3
60	250						0.4	11.7	17	31.4
70	212						0.0	2.7	5.4	41.0

AVAILABLE SIZES AND PROFILES:

Sieve U.S. Standard	µm	#8	#8/12	#12	#20/40	#36	#30-40	#50	#60	#80
80	180							0.3	0.7	16.1
100	150							0.4	0.3	5.0
120	125								0.1	0.1
Bulk Density (lb per cubic foot)		140	140	140	136	136	130	130	126	126
Effective size (typical)		2.04 mm	1.85 mm	1.54 mm	0.50 mm	0.53 mm	0.37 mm	0.29 mm	0.27 mm	0.19 mm
Effective size: specification		1.90-2.20	1.65-2.00	1.45-1.70	0.45-0.55	0.50-0.65	0.30-0.40	0.25-0.35	0.20-0.30	0.15-0.25
Uniformity coefficient (typical)		1.17	1.21	1.35	1.12	1.40	1.26	1.29	1.25	1.30
Uniformity coefficient: specification		1.30 max	1.50 max	1.50 max	1.40 max	1.50 max	1.40 max	1.40 max	1.50 max	1.70 max
Specific Gravity 3.80 g/cm ³ minimum	Material meets AWWA Standard B100-96									
** Material is UL Certified in accordance with ANSI/NSF Standard 61, Drinking Water System Components "										

TECHNICAL SPECIFICATIONS (IN %)

Symbol	Name	Percentage
SiO ₂ (total)	(Silicon Dioxide)	36.0%
Fe ₂ O ₃	(Iron Oxide)	31.1%
CaO	(Calcium Monoxide)	26.0%
Al ₂ O ₃	(Aluminium Oxide)	2.9%
MgO	(Magnesium Monoxide)	1.0%
MnO	(Manganese Monoxide)	1.0%
TiO ₂	(Titanium Dioxide)	1.0%

CHARACTERISTICS

Colour:	Grey, dark brown
Bulk Density:	140 lbs/ft ³
Specific Gravity:	3.80
Grain Shape:	Angular
Solubility:	Insoluble
Hardness:	7,0 - 7,5 Mohs

PACKAGING

50 lb paper bags, 80 bags/pallet, 3000 lb Super Sacs

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