



Opta Minerals your source for Water Filtration Media:

- Crushed Glass
- Galaxy Garnet
- International Garnet
- Emerald Creek Garnet

International Garnet for Water Filtration

International Garnet is mined as a by-product in a mineral mining process. In our state of the art facility in Keeseville, NY, 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

Sieve U.S. Standard	MM	#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	0.850				0.0	8.1				
25	0.710				0.5	43.6	0.3			
30	0.600				20.4	22.9	2.2	0.8		
35	0.500				70.6	20.1	23.4	0.9		
40	0.425				7.8	3.5	38.1	0.9	0.0	
45	0.355				0.6	0.9	33.0	51.2	23.2	0.1
50	0.300				0.1	0.3	2.6	31.1	53.3	6.3
60	0.250						0.4	11.7	17	31.4
70	0.212						0.0	2.7	5.4	41.0
80	0.180							0.3	0.7	16.1
100	0.150							0.4	0.3	5.0

Contact Us

Contact us today and let our experienced sales team help you find the right product to meet your needs.
 For more information please call us:
 Toll-free: 1-888-689-6661
 Tel: (905) 689-6661
 Email: info@optaminerals.com
www.optaminerals.com

Sieve U.S. Standard	MM	#8	#8/12	#12	#20/40	#36	#30-40	#50	#60	#80
120	0.125								0.1	0.1
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

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