

Galaxy Garnet for Water-Filtration

BENEFITS OF GALAXY GARNET:

- High specific gravity allows unique filter designs. In combination with other filter media both higher flow rates, higher loadings and better filtration can be achieved.
- High Hardness reduces attrition and provides for years of reliable service
- NSF approved certified to ANI/NSF 61

OPTA MINERALS for all your WATER FILTRATION needs:

- Municipal Filtration Sand
- Industrial Filtration Sand
- Galaxy Garnet
- International Garnet
- Municipal Filtration Sand
- Crushed Glass
- Pool Filtration Sand

Information Bulletin

Galaxy Garnet is a naturally hard and HIGH DENSITY filter material used in multi-media water filtration systems. Garnet is recommended as a support bed for other materials such as sand, anthracite etc.

Galaxy Garnet is carefully screened to appropriate sizes for water filtration.

- Galaxy Garnet is a hard rock garnet and is mined from an Almandite Garnet deposit with proven reserves of over 1 million tons.
- Galaxy Garnet is processed from crude by means of crushing, milling, washing, drying and screening. Screening can be adjusted to meet customer's need.
- Galaxy Garnet is carefully screened to appropriate sizes for water filtration.

Available sizes:

Packaging:

50lb paper bags: 40 bags/pallet Supersac.
In 2000lb supersacs

Technical Physical Properties:

Bulk Density 150lbs/ft³
Specific Gravity 4.05 g/cm³
Hardness 7.95-8.0
Shape of Grains angular
Color dark red
Free Silica none

OPTA MINERALS has production and warehouse facilities in the following

locations:

Waterdown, ON; Lachine, QC;
St-Bruno-de-Guigues, QC; Brantford, ON;
St-Germain-de-Grantham, QC; Norfolk, VA;
New Orleans, LA; Los Angeles, CA;
Hardeeville, SC; Attica, NY; Baltimore, MD;
Keeseville, NY; Walkerton, IN; Milan, MI;
Richfield, OH.

Specification of Garnet For Waterfiltration

MM	US Mesh	#5	#8	#8-12	#16	#36	#30-40	#50	#60	#60-80
4.750	4	3.0								
3.350	6	89.0	4.0							
2.360	8	8.0	84.0	2.0						
2.000	10		8.0	18.0						
1.700	12		4.0	50.0	1.0					
1.400	14			27.0	16.0					
1.180	16			3.0	49.0					
0.850	20				34.0					
0.710	25					1.0				
0.600	30					63.0	1.0			
0.500	35					33.0	27.0			
0.425	40					3.0	40.0	2.0		
0.355	45						31.0	63.0	19.0	
0.300	50						1.0	31.0	38.0	8.6
0.250	60							4.0	36.0	62.6
0.212	70								6.0	19.3
0.180	80								1.0	6.00
0.150	100									3.5
Bulk										
Density	lbs.	153	151	149	140	130	125	122	120	120
G.F	#	3	3.2	5.4	8.2	21.9	30.2	36.9	41.7	47.3
N.S.	mm	3.31	2.34	1.67	1.16	0.56	0.42	0.34	0.29	0.24
E.S	mm	3.41	2.3	1.51	1.06	0.53	0.38	0.31	0.26	0.21
U.C		1.27	1.27	1.24	1.21	1.21	1.25	1.21	1.26	1.29

Custom screened sizes available on request. Galaxy Garnet is NSF Certified in accordance with ANSI/NSF Standard 61, Drinking Water System Component - Health Effects