



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

ADVANTAGES OF GALAXY GARNET FOR WATER FILTRATION



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 Certified in accordance with ANSI/NSF Standard 61, Drinking Water System Components

AVAILABLE SIZES AND PROFILES:

Specifications MM	U.S. 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			
0.435	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

AVAILABLE SIZES AND PROFILES:

Specifications MM	U.S. Mesh	#5	#8	#8-12	#16	#36	#30-40	#50	#60	#60-80
0.180	80								1.0	6.0
0.150	100									3.5
Density	LBS.	153	151	149	140	130	125	122	120	120
AFS GFN	#	3	3.2	5.4	8.2	21.9	30.2	36.9	41.7	47.3
N.S. (nominal size)	mm	3.31	2.34	1.67	1.16	0.56	0.42	0.34	0.29	0.24
E.S. (effective size)	mm	3.41	2.3	1.51	1.06	0.53	0.38	0.31	0.26	0.21
U.C. (uniformity coefficient)		1.27	1.27	1.24	1.21	1.21	1.25	1.21	1.26	0.29

Custom screened sizes available on request.

Galaxy Garnet is NSF Certified in accordance with ANSI/NSF Standard 61, Drinking Water System Component

TECHNICAL SPECIFICATIONS

Symbol	Name	Percentage
SiO ₂ (total)	(Silicon Dioxide)	37.2%
Fe ₂ O ₃	(Iron Oxide)	33.2%
Al ₂ O ₃	(Aluminium Oxide)	20.6%
MgO	(Magnesium Monoxide)	6.1%
CaO	(Calcium Monoxide)	2.0%
MnO	(Manganese Monoxide)	0.6%
TiO ₂	(Titanium Dioxide)	0.3%

CHARACTERISTICS

Colour:	Dark red brownish
Bulk Density:	150 lbs/ft ³
Specific Gravity:	4.0 - 4.1
Grain Shape:	Angular
Hardness:	7.50 - 8.0 Mohs

PACKAGING

50 lb paper bags, 40 bags in a Super Sac
2000 lb Super Sacs