



International Garnet for Blast Cleaning

Opta Minerals your source for Blast Cleaning Abrasives:

- Aluminum Oxide
- Blackblast - Coal Slag
- Chilled Iron Grit
- Corn Cobs
- Ebonygrit - Copper Slag
- International Garnet
- Garnet
- Glass Beads
- Greengrit - Crushed glass
- Plastic Media
- Powerblast LS - Staurolite
- Super Steel Shot
- Super Steel Grit
- Ultrablast - Nickel Slag
- Walnut Shells
- Blast Cleaning Equipment

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 an approved US Navy product listed on the QPL (Qualified Product Listing), and, best of all, is made right here in America.

International Garnet is a HIGH DENSITY Garnet.



ADVANTAGES OF INTERNATIONAL GARNET FOR BLAST CLEANING

- Approved QPL product according to mil spec 22262
- Made in AMERICA
- Wide range of grades and composition available for different jobs and profiles
- Superior surface profile – garnet grains create a uniform profile virtually free of embedment, providing an excellent surface for coating adhesion
- Cost-effective - highly effective, low consumption
- Non-toxic – inert and natural, with less than 1% free crystalline silica
- Recyclable up to 5 times
- Low dust levels – improved operator visibility
- Easy cleanup
- Non-reactant – will not interfere with your coatings
- Non-porous – will not draw moisture

CHARACTERISTICS OF INTERNATIONAL GARNET FOR BLAST CLEANING

Hardness:	7 Moh
Colour:	Grey/Brown

TECHNICAL SPECIFICATIONS OF INTERNATIONAL GARNET FOR BLAST CLEANING

Symbol	Chemical Composition in %	Symbol	Chemical Composition in %
SiO ₂	36.0	CaO	26.0
Fe ₂ O ₃	31.1	MnO	1.0
Al ₂ O ₃	2.9	TiO ₂	1.0
MgO	1.0	ZrO ₂	1.0

TECHNICAL SPECIFICATIONS OF INTERNATIONAL GARNET FOR BLAST CLEANING

Sieve	U.S. Standard	Microns	% Sieve					
			16	12/40	36	30/60	80	140
10		2000	0					
12		1700	0.3	0.2				
16		1180	40.8	20.4	0			
20		850	45.3	24	2.8	0		
30		600	13.2	41.8	70.4	1.7		
40		425	0.4	13.5	26.6	54.2	0	
50		300		0.1	0.2	42.6	25.2	
60		250		0		1.3	28.8	
70		212				0.2	27.1	0
80		180					15.8	3.9
100		150					2.6	39.1
140		106					0.5	48.9
200		75					0	6.7
270		53						0.8
pan								0.6
Bulk density (lb/cu.ft)			136.00	136	136	136	126	126

PACKAGING

50 lb bags
3000 lb Super Sacs