



**ANTHRACITE**  
Filter Media Company

# Garnet Sand

**Garnet** is a naturally occurring gem mineral with uniform physical, chemical, hardness, friability and micro-structure characteristics, which provide the essential properties for filtration and other industrial uses. Applications range from small, single-media filters to technically advanced multimedia commercial and industrial systems.

## Typical Chemical Analysis

Silicon Oxide .....	38%	Magnesium Oxide .....	2%
Iron Oxide .....	30%	Calcium Oxide .....	2%
Aluminum Oxide .....	26%	Manganese Oxide .....	2%
Free Silica .....	None		

## Physical Properties

Hardness (Moh's Scale) .....	7.0 - 8.0	Lustre .....	Vitreous
Specific Gravity .....	4.0 - 4.2	Melting Point .....	About 2300 °F
Strength .....	Semi-friable to tough	Acid Solubility .....	Insoluble
Fracture .....	Blocky, angular, irregular	Magnetism .....	Slightly magnetic
Pathological Effects .....	None/Inert	Moisture Absorption .....	Non-hygroscopic

## Standard Products

Mesh Size	Density, Lbs/Ft <sup>3</sup>
No. 8/12	149
No. 12	149
No. 16	138
No. 25	137
No. 36	135
No. 30/40	125
No. 60	120
No. 60/80	120
No. 80	117
No. 100	109

Packaging: 50 Lb Bags / Supersacks