



# Industrial Comercial Chile Ltda.

... En la búsqueda de Soluciones Tecnológicas.

Proveedores de Industria y Minería

E-Mail: comchile@comercialchile.cl

Web Site: www.comercialchile.cl



## FICHA TÉCNICA ABRASIVOS

NUMERO	02-0021
VERSIÓN	1.0
ARTICULO	GRANATE (GARNET)
CÓDIGOS	CPOGR001 - 010

## Garnet Sand Specification

### PHYSICAL CHARACTERISTICS

Specific Weight	:	4.1 g/cm <sup>3</sup>
Average Bulk	:	2.4 g/cm <sup>3</sup>
Hardness	:	8.0 (Mohs Scale)

### OTHER CHARACTERISTICS

Crystal System	:	Cubic
Habit	:	Dodecadhedron with occasional Trapezohedron
Fracture	:	Sub-Conchoidal
Durability	:	Very good
Free Flow	:	90% Minimum
Susceptibility to Acid	:	None
Moisture Absorption	:	Non Hygroscopic, Inert.
Magnetism	:	Very Slightly Magnetic
Conductivity	:	Less than 25 Microsiemens per Meter
Radio Activity	:	Not Detectable above background
Pathological Effects	:	None
Free Silica Content	:	None

### ANALYSIS & CHARACTERISTICS

ALUMINA	[ as Al <sub>2</sub> O <sub>3</sub> ]	:	18.06%
IRON	[ as Fe <sub>2</sub> O <sub>3</sub> ]	:	29.50%
SILICA	[ as Si O <sub>2</sub> ]	:	37.77%
MAGNESIUM	[ as Mg O ]	:	4.75%
CALCIUM	[ as Ca O ]	:	9.0%
TITANIUM	[ as Ti O <sub>2</sub> ]	:	1.0%
PHOSPHOROUS	[ as P <sub>2</sub> O <sub>5</sub> ]	:	0.05%
MANGANESE	[ as Mn O ]	:	0.5%
ZIRCON	[ as Zr O <sub>2</sub> ]	:	Traces
CHLORIDE CONTENT		:	Less than 50 ppm
SOLUBLE SALTS		:	Less than 100 ppm
PH OF AQUEOUS MEDIUM		:	6.93
GYPSUM CONTENT		:	Nil



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MOISTURE CONTENT	:	Less than 0.5%
CARBONATE CONTENT	:	Traces
LOSS ON IGNITION	:	Nil
METAL CONTENT	:	Traces
[ Specifically Free Iron, Free Copper and Other Heavy Metals ]		

### MINERALOGICAL COMPOSITION

Garnet (Almandite)	:	97 – 98%
Ilmenite	:	1-2%
Quartz	:	½ %
Others	:	½ %

### PARA MAYOR INFORMACIÓN

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