VEXTA

YOUR NO.1 PARTNER

SUPERgarnet

ISO 14001 TÜV SÜD ISO 9001 OHSAS 18001

TECHNICAL DATASHEET

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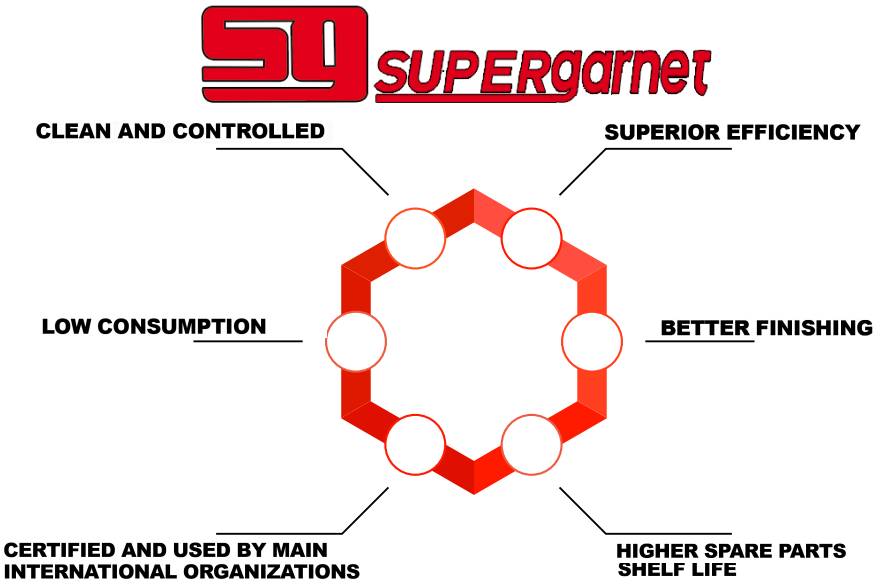
GENERAL DESCRIPTION	Almandite Garnet is a non-metallic mineral chemically stable and quite common in nature, well known for its tenacity, hardness and long lasting durability. The precedent characteristics make Garnet the ideal solution for most of the applications that interest the abrasives' area. Its high density as well as its strong resistance to chemical and abrasives agents, pave the way for its use in filtration.
CERTIFICATIONS	California Air resource board, MIL-A-22262B (SH), QPL-22262 - ISO11126-10 ISO14001-2004 / ISO9001:2008 - TUV - SSPC - ARBC - US NAVY QPL22262
WATER SOLUBILITY	Garnet is not soluble in standard conditions (20°C, distilled water)
HARDNESS	7.5/8.0 measured by Mohs index
CHLORIDE CONTENT	<25,6 ppm - GUARANTEED
SPECIFIC GRAVITY	4,1
RELATIVE DENSITY	2,6 g/cm3 - GUARANTEED
BULK DENSITY	145 lb/ft3
ACID SOLUBILITY (HCL)	<1%
MELTING POINT	1.315 °C
CONDUCTIVITY	< 250 µS/cm
FREE SILICA CONTENT	<1.0%
COLOUR	Intense red, red/brown, reddish pink, reddish brown
GRAIN SHAPE	Sub Angular
AVAILABLE GRAINS	From #12/40 to #350 mesh (US standard grain)

TYPICAL CHEMICAL ANALYSIS	SiO2 35% FeO 33% Al2O3 23% MgO 7% CaO 1% MnO 1% *specific analysis of each batch can be produced.
TYPICAL MINERALOGICAL COMPOSITION	Almandite 97-98% Ilmenite <1-2% Quarz (free Silica) <1.0% Others <0.5%
PACKAGING	Standard package includes sacks of 25 kg (multi-ply valve type paper bag, HDPE bag with PE liner) and jumbo bags of 1 or 2 tons , but customized packages can be developed on costumers' specifications.