

GARNET 80 MESH

Natural abrasive

DESCRIPTION AND USE

Garnet Isoplam® is a non-metallic inert mineral. The Garnet selected by Isoplam is the Indian Almandine, widely used as an abrasive for its hardness and resistance. The 80 Mesh size (equal to an average aggregate size of 0.177 mm) is suitable for use in the most popular water jet cutting machines. Its high molecular density and great resistance to the action of chemical agents and other abrasives make it particularly appreciated also in the filtration and water treatment sector.

TECHNICAL DATA

Color	Deep red, brown-red
Form	Sub-angular granule
Grain size	80 Mesh On request and in quantity it is also possible to have Garnet in other sizes
Solubility	It is not soluble under standard conditions (20°C, distilled water)
Hardness	7.5/8.0 (Mohs scale)
Chloride content	<25 ppm
Free silica content	<1.0%
Relative Density	4.1 g/cm ³
Melting Point	1,315 °C
Electrical conductivity	< 500 µS/cm
Chemical analysis	SiO ₂ 35% FeO 33% Al ₂ O ₃ 23% MgO 7% CaO 1% MnO 1%
Mineral composition	Almandine 97-98% Ilmenite <1-2% Quartz (free Silica) <1.0% Others <0.5%
Certifications	California Air resource board, MIL-A-22262B(SH), QPL-22262 - Product with ISO14001-2004 / ISO9001:2008 certifications

PACKAGING AND SAFETY

Garnet Isoplam® is available in 25 kg bags. On order it is possible to have it in big bags of 1000 kg each. Consult the safety data sheet before use.
Garnet Isoplam® is intended for professional use only.

ISOPLAM S.R.L.

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IMPORTANT

All information contained in this sheet is based on the best practical and laboratory experiences. It is the customer's responsibility to verify that the product is suitable for the intended use. The manufacturer accepts no liability for the results of incorrect applications. It is advisable to always carry out tests on small surfaces before use. The data can be changed at any time. This sheet replaces and cancels the previous ones. The GARNET 80 MESH product is intended for professional use only. Anyone who uses this product without being authorized to do so does so at their own risk. Isoplam Srl periodically organizes courses for its customers who request them.