

ALMANDINE GARNET SAND ABRASIVE

Quality Grade: Export First-Class A1 | Compliance: FEPA 42-1:2006 / JIS R6001 / ISO 8486

1. TYPICAL CHEMICAL COMPOSITION (%)

Mineral	Almandine Garnet	Ilmenite	Quartz (Free Silica)	Chloride (Cl)
Specification	· 98.0 %	· 1.0 %	· 0.5 % (Non-toxic)	< 25 ppm

2. PHYSICAL & MECHANICAL PROPERTIES

Property	True Density	Bulk Density	Mohs Hardness	Specific Gravity
Specification	3.90 - 4.10 g/cm ³	1.80 - 2.10 g/cm ³	7.5 - 8.0	4.0 g/cm ³

3. AVAILABLE SIZES & GRIT CLASSIFICATION

- Waterjet Standard Grades: 80 Mesh (Universal Cutting), 120 Mesh (Precision Finish), 60 Mesh (Fast Cut).
- Blasting Grades: 20-40 Mesh, 30-60 Mesh.

4. PRIMARY INDUSTRIAL APPLICATIONS

- High-pressure CNC waterjet cutting for metals, stone, glass, and composites.
- Heavy-duty sandblasting in shipyards, petrochemical oil rigs, and bridge restoration.
- Multi-media water filtration bed in industrial water purification plants.

5. PACKAGING, CERTIFICATION & EXPORT LOGISTICS

- 25 kg multi-ply paper/poly bags, 40 bags per 1MT pallet.
- 1 MT / 1.2 MT waterproof big bags.
- Strictly washed, magnet-separated, and air-classified for nozzle-clog prevention.

MANUFACTURER QUALITY STATEMENT & EXPORT GUARANTEE:

Every batch undergoes rigorous XRF chemical analysis, bulk density and laser particle sizing before dispatch.

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QC APPROVED

ISO 9001:2015