

Technical Data & Physical Characteristics JETTEK® Garnet Abrasives

MINERAL COMPOSITION

Garnet (Almandine)	85—95%
Ilmenite	1—2%
Amphibole/Pyroxene	4—8%
Non-Respirable Free Crystalline Silica	< 1%
Other	4—8%

CHEMICAL COMPOSITION

Major Constituents Almandine Garnet.....	$\text{Fe}_3 \text{Al}_2 (\text{SiO}_4)_3$
---	--

PHYSICAL PROPERTIES

Specific Gravity.....	3.8—4.3 g/cm ³
Hardness (Mohs).....	7.5—8.0

OTHER CHARACTERISTICS

Conductivity	< 290 ms/cm
Radioactivity.....	Diffuse TENORM
Moisture Absorption	Non-hygroscopic
Weight Change on Ignition (%)	0.0 (Typical) (As per Mil-A22262B (SH) 4.5.6)
Chlorides.....	< 25 ppm
Free Crystalline Silica	< 1%
Respirable Free Quartz	< 0.1%

Garnet is a natural product; therefore, its chemical analysis will vary.

2021-01