

## Technical Data & Physical Characteristics ALLTEK® HPA® Garnet Abrasives

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### MINERAL COMPOSITION

Garnet (Almandine) .....	93%
Ilmenite .....	1–2%
Other .....	4–5%

### CHEMICAL COMPOSITION

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

### PHYSICAL PROPERTIES

Specific Gravity .....	4.1 g/cm <sup>3</sup>
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.

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