

Technical Data & Physical Characteristics ALLTEK® HPA® Garnet Abrasives

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 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.

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