

Universal Minerals International, Inc.

4620 S. Coach Drive
Tucson, Arizona 85714 USA
Phone: (520) 917-0661
Fax: (520) 917-0664
www.umint.com



PRECISION GARNET TECHNICAL DATA

Mineralogy	Guaranteed (%)	Typical (%)
Garnet	Min - 90	98
Chemical Analysis		
Parameters	-	Typical (%)
SiO ₂	-	36-38
Al ₂ O ₃	-	20-23
Fe ₂ O ₃	-	31-33
TiO ₂	-	1-1.5
CaO	-	1-1.5
MgO	-	6-8
ZrO ₂	-	Traces
Soluble Chloride	-	< 20 ppm
Specific Gravity	-	4.1
Hardness	7.5 - 8.00 (Moh Scale)	
Bulk Density	2.40 gm/cm ³	
Conductivity	< 10 Micron Siemens/Metre	

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Sieve Analysis 80 Mesh PRECISION GARNET – 80XP		
Mesh (US)	-	Retention (%)
-60	-	3-4
+70	-	17-19
+80	-	42-44
+100	-	14-16
-100	-	8-10

Sieve Analysis 30/60 Mesh PRECISION GARNET – 30/60XP		
Mesh (US)	-	Retention (%)
30	-	3-4
40	-	17-19
50	-	42-44
60	-	14-16
70	-	8-10
80	-	5-7
100	-	3-5
120	-	1-2
-120	-	traces

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