

# Universal Minerals International, Inc.

4620 S. Coach Drive  
 Tucson, Arizona 85714 USA  
 Phone: (520) 838-0964  
 Cell: (208-971-3652  
 Fax: (520) 917-0664  
 www.precisiongarnet.com



## WHY CHOOSE PRECISION GARNET?

Universal Minerals International's PRECISION GARNET is produced from one of the highest quality garnet reserves in the world. Our material is a premium washed product is suitable for sandblasting, waterjet cutting and water filtration. Universal Minerals International's state of the art processing facility follows strict quality control measures to ensure only the highest quality garnet abrasive. We have established distribution centers located though out the United States to serve our customers more efficiently and cost effectively. Our warehousing facilities offer same day shipping in most cases as well as customer pick-up's. In addition to our state of the art distribution centers we also have established a network of stocking distributors throughout North America.



## Sieve Analysis

### 30/60 – XP

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

### 80 – XP

Mesh (US)	-	Retention (%)
-60		3-4
+70		17-19
+80		42-44
+100		14-16
-100		8-10

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## PRECISION GARNET TECHNICAL DATA

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