

# SPECIFICATION

## GARNET PREMIUM mesh 80

### CHEMICAL ANALYSIS

Contents, %	GUARANTEED	TYPICAL
AL <sub>2</sub> O <sub>3</sub> +TiO <sub>2</sub> min	18,1	17-21
SiO, max	29	30
Fe <sub>2</sub> O <sub>3</sub>	15	15-17
Fe <sub>2</sub> O	16	14-17
CaO	8	7-10
Moisture, max	0,5	0,2

### GRAIN PROPERTIES

Mesh	Sieve Aperture (microns)	Content %
+60	+250	24,43
+70	+212	43,01
+80	+180	29,72
+100	+150	2,84

### Storage and packaging

**Storage:**  
in closed containers or bags, protect from physical damage

**Terms of storage:**  
unlimited

**Shipment:**

- 25 kg bags;
- Soft containers (big bag) 1 t net.

### Physical description

**Appearance:**  
brown to dark red free running sand

**Grain shape:**  
irregular angle, sharp edges

**Grain color:**  
dark red (different tints), green, brown



**PHYSICAL  
PROPERTIES**

<b>Specific Gravity:</b>	2300 - 2400 kg/m <sup>3</sup>
<b>Bulk density:</b>	3800 - 4100 kg/m <sup>3</sup>
<b>Grain size:</b>	63 • 200 mkm
<b>Flammable:</b>	Nonflammable
<b>Solubility in Water:</b>	Insoluble
<b>Angle of friction:</b>	33°
<b>Hardness:</b>	7,5-8,0
<b>Acid solubility</b>	< 1%

**COMPOSITION  
ANALYSIS**

<b>Minerals</b>	<b>Content, %</b>
<b>Garnet:</b>	92-96
<b>Omphacite:</b>	1,5
<b>Ilmenite:</b>	1,0
<b>Rutile:</b>	0,6
<b>Hornblende :</b>	<0,5
<b>Quartz:</b>	<0,1
<b>Silica</b>	< 1

