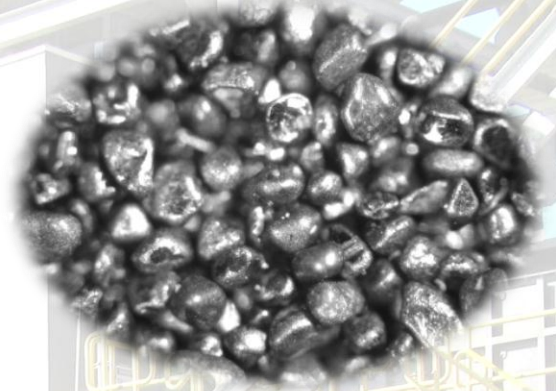


## Product Description

ORC's Chromite RG is mined and processed in Coos Bay, Oregon. Chromite RG is unique because of its rounded grain structure and two screen distribution. This uniqueness is because it originates from an ancient beach deposit. The uniqueness of Chromite RG provides advantages over many traditional sub-angular chromites. Chromite RG is thoroughly washed to minimize the amount of dirt, clays, and ultra-fines in product, thus eliminating casting related defects from chromite due to low melt point impurities.



## Product Features

- High thermal conductivity
- Low thermal expansion
- Better cast surface finish, lowering cleaning and finishing costs
- Ability to blend and/or replace South Africa chromite sand formulations
- Improved mold handling strengths
- Ability to lower binder content

## Typical Sizing Analysis- Percent Retained on each Mesh

Mesh Size	Microns	Chromite RG
20	850	0.0
40	425	0.0
50	300	0.1
70	212	4.8
100	150	56.1
140	106	38.5
200	75	0.5
270	53	0.0
Pan	<53	0.0

## Chemical Properties

Element	Specification Limits For Chromite RG
Cr <sub>2</sub> O <sub>3</sub>	≥ 45.5 %
Fe <sub>2</sub> O <sub>3</sub>	≤ 28.5 %
Al <sub>2</sub> O <sub>3</sub>	-
SiO <sub>2</sub>	≤ 1.0%
TiO <sub>2</sub>	≤ 2.0 %
MgO	-

## Physical Properties

Property	Typical Result For Chromite RG	Units
AFS GFN	80.9	-
Turbidity	300	NTU
AFS Clay Content	0.09	%
LOI	-1.60	%
ADV (pH 7)	1.39	-
Moisture	0.05	%
pH	6.82	-
Bulk Density	160	lb/ft <sup>3</sup>
Specific Gravity	4.4	-

## Product Application

- Molding (RSA Chromite Replacement)
- Facing sand (RSA Chromite Replacement)
- Core making processes (RSA Chromite Replacement)

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**IMPORTANT:** The technical data herein is believed to be accurate. Chromite is a naturally occurring mineral and is therefore subject to variability. The levels referenced herein are only for general guidance and do not constitute a firm specification. This information is offered for your consideration and enquiry.