



BHALLA CHEMICAL WORKS PVT LTD

Monoclinic Zirconium Oxide BZ-1R

ZrO₂

Typical Product Specifications

Chemical Properties

Element	ZrO ₂ +HfO ₂	SiO ₂	TiO ₂	Fe	CaO	MgO	Na ₂ O	Bulk Density
Unit	%	%	%	%	%	%	%	gm/cc
Typical Value	99~99.5	<0.05	<0.05	<0.01	<0.03	<0.03	<0.03	>1.60

Physical Properties

Characteristics	BZ-1R (Standard)	BZ-1R (Hi-Grain)
Appearance	White Powder	White Granular Powder
Loss on Drying (@1025°C)	0.5	0.5
d 50 µm	30	60

Note: The above-mentioned grades are those typically produced by company. Customer Specific modifications to the above products can also be done.

Applications	Glass	Engineering Ceramics	Pigments
	Refractory		

Standard Packaging: 25 Kg HDPE Bags with Liner or 1000 Kg Jumbo Bags duly palletized

Typical Particle Size Distribution- BZ-1R Standard Grade

D(0.10) : 7.17 µm D(0.50) : 29.99 µm D(0.90) : 60.95 µm D(1.00) : 96.67 µm

Typical Particle Size Distribution- BZ-1R (Hi Grain)

D(0.10) : 19.80 µm D(0.50) : 58.96 µm D(0.90) : 120.71 µm D(1.00) : 205.46 µm