

## Zircar Zirconia ZHB Zirconia Hollow Balls

Category : Ceramic , Machinable Ceramic , Oxide , Zirconium Oxide

### Material Notes:

Zirconia Hollow Balls Type ZHB are sintered calcia-stabilized zirconia hollow balls, which flow easily into a confined space. Our standard product is our Type ZHB-1 which ranges in particle size from 0.2 mm to 3.0 mm diameter, which fill space effectively. They are useful for high temperature insulation in spaces where the insulation must be poured into place. The different size balls tend to segregate when poured as the larger balls tend to 'float' on top of the smaller balls. To minimize this effect, pour all the balls in at one time. Application

Information: Zirconia Hollow Balls Type ZHB are useful as heat exchange media in fluidized bed reactors and as insulation in constrained spaces in very high temperature applications. The melting point of ZHB exceeds 4000°F. ZHB can be sieved into a more narrow size distribution on request. Information provided by Zircar Zirconia.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Zircar-Zirconia-ZHB-Zirconia-Hollow-Balls.php](http://www.lookpolymers.com/polymer_Zircar-Zirconia-ZHB-Zirconia-Hollow-Balls.php)

Physical Properties	Metric	English	Comments
Specific Gravity	5.60 g/cc	5.60 g/cc	
Bulk Density	1.50 g/cc	0.0542 lb/in <sup>3</sup>	

Component Elements Properties	Metric	English	Comments
Al <sub>2</sub> O <sub>3</sub>	<= 0.80 %	<= 0.80 %	
CaO	3.0 - 4.0 %	3.0 - 4.0 %	
Fe <sub>2</sub> O <sub>3</sub>	<= 0.10 %	<= 0.10 %	
HfO <sub>2</sub>	1.0 - 2.0 %	1.0 - 2.0 %	
SiO <sub>2</sub>	<= 0.60 %	<= 0.60 %	
TiO <sub>2</sub>	<= 0.30 %	<= 0.30 %	
ZrO <sub>2</sub>	>= 91 %	>= 91 %	

Descriptive Properties	Value	Comments
Angle of Repose	30°	
Color	Yellow	
Crystal Structure	80% Cubic, 20% Monoclinic	

## Contact Songhan Plastic Technology Co.,Ltd.

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