



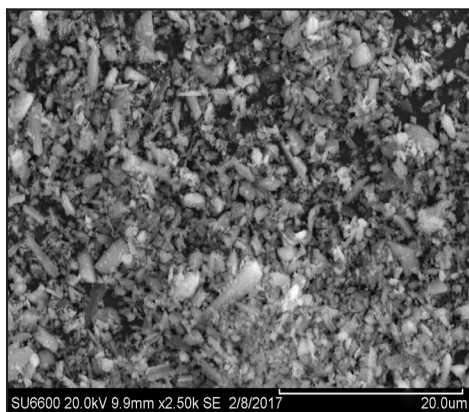
ZYP-30, ZYP-55

Yttria Stabilized Zirconia Powder

Zircar Zirconium Oxide Powder ZYP is an ultrafine powder that is used as filtration media, thermal barrier coating, and a polishing aid. ZYP is manufactured from **Zircar** ZYBF Bulk Fibers which are made using the original ZIRCAR Process at our plant in Florida, NY, USA. These materials are fine, highly reactive powders composed of nearly 100% zirconia phase stabilized with yttria. Sintering of ZYP powder particles begins at around 900°C and zirconia ceramic bodies approaching theoretical density can be achieved using ZYP as low as 1450°C.

It is offered with two standard surface areas;
ZYP-30 has a BET specific surface area of 25-35 m²/g.
ZYP-55 has a BET specific surface area of 50-60 m²/g.

Other powders, e.g. ZYP-40, are available with specified yttria content and surface area requirements. Please contact sales with your custom chemistry or size.



ZYP-30 is supplied as 1 micron, irregular agglomerates of sub-micron particles.

ZYP-55 is whisker shaped agglomerates of sub-micron particles.



Properties & Characteristics

Properties	ZYP-30	ZYP-55
Loss on Ignition, Wt%	1.8	3.1
BET Specific Surface Area, meters ² /gram	25-35	50-60
Composition Wt%		
Oxide	Wt%	
ZrO ₂ *	90	
Y ₂ O ₃	10	
Trace Impurities	<1	

*1-2 wt% hafnia occurs naturally with zirconia and does not affect performance.

To Place an Order

Call: 845-651-3040

email: sales@zircarzirconia.com

store: www.zircarzirconia.com/store

ZYP

Item Type	Size	Item Number
ZYP-30	1 Lb	BH008
	1 Kg	BH005
	35 Kg	BH014
ZYP-55	1 Lb	BH001
	1 Kg	BH006
	35 Kg	BH015