

# YTTRIA ZIRCONIA YZ01A - 3 mol %

- A spray dried powder perfectly homogeneous.
- Outstanding mechanical properties.

02/2002

## TYPICAL CHEMICAL ANALYSIS

ZrO <sub>2</sub> +HfO <sub>2</sub> *	Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Na <sub>2</sub> O	TiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	CaO	Y <sub>2</sub> O <sub>3</sub>	H <sub>2</sub> O (105°C)	L.O.I. (105°C - 1000°C)
≥ 99%	0.20%	0.07%	0.03%	0.05%	0.04%	0.05%	<b>5.20%</b>	0.10%	2.50%

\* by difference

## PARTICLE SIZE DISTRIBUTION

D50 of granulates 50 µm

CRYSTAL STRUCTURE Tetragonal

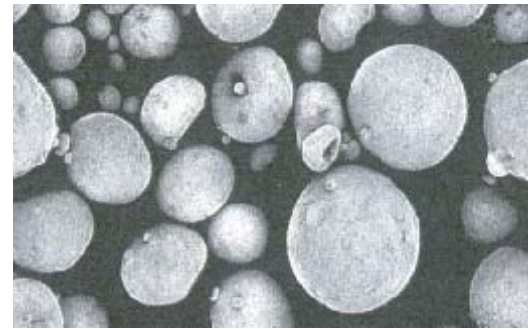
## PHYSICAL PROPERTIES

Loose bulk density 1.4 g/cm<sup>3</sup>  
Binders content 2 %

SAFETY DATA SHEET DS MS ZR 18

## PACKAGING

25 kg multiwalled moisture proof paper bags in plastic barrels.



## MAIN APPLICATIONS

- Structural ceramics
- Ferules

SEPR  
ZirPro Department  
B.P. 25 - 84131 Le Pontet Cedex  
France

Tel.: +33 (0)4 90 39 99 14  
Fax: +33 (0)4 90 39 99 98  
e-mail : zirpro@saint-gobain.com

<http://www.zirpro.com>



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