

Product information

R - C Z P

zirconium oxide (ceria-stab.) ZrO₂ 79%

Characteristic and use:

- Homogeneous microstructure
- High density and high hardness adequate to the viscosity of grinding material and dispersion
- Minimized contamination due to high wear resistance
- Longer bead life due to high mechanical strength and high fracture toughness
- Homogeneous and smooth surfaces optimal for dispersion and grinding
- Non-toxic, non-radioactive, chemically stable, and stable in high temperature
- Recommended for the production of paints and inks, agrochemicals, magnetic coatings for audio, video and computer tapes

Diameters:

0,5 mm (0,40-0,60)	1,2 mm (1,10-1,30)	2,2 mm (2,20-2,40)
0,8 mm (0,70-0,90)	1,5 mm (1,40-1,60)	2,5 mm (2,40-2,60)
1,0 mm (0,90-1,10)	2,0 mm (1,80-2,00)	

Technical properties:

Shape	round
Density (spec. gravity)	>6,2 g/cm³
Hardness Vickers	>1250 HV
Coefficient of thermal expansion	10x10 ⁻⁶ /°C (20-400°C)
Surface	smooth, homogeneous
Modulus of elasticity (Young)	---
Settled apparent density	>3,9 kg/dm³
Crushing strength acc. to diameter	---
Purity	---
Deformation temperature	---
Specific heat capacity (Cp)	---

Chemical composition:

ZrO ₂	79,0 ± 0,50 %
CeO ₂	21 ± 0,30 %
Al ₂ O ₃	0,6 ± 0,05 %

Packing:

- in plastic drums with 25 kg each

Storage:

in dry rooms

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