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Product information

ZIRCONOX®

zirconium oxide (ceria-stab.) ZrO_2 83%

Characteristic and use:

Zirconox® micro milling beads are used worldwide in high speed vertical & horizontal type bead, turbo and attritor mills for speedy micro-fine wet milling and dispersion of high viscous (15,000 - 50,000 cps) formulations, dielectric formulations, auto, architectural and allied paints, printing inks, printer ribbon coatings, colours, pigments, dyes, agrochemicals, magnetic coatings of audio video tapes, electro ceramics, frits, glazes, calcium carbonate, minerals, clays, graphite, photocopier toners, carbon paper, cosmetics, toiletries, pharmaceuticals & foodstuff. Zirconox® beads are also used for shot peening treatment on metal surfaces and a host of many other applications.

Diameters:

standard sizes		special sizes	
0,4 - 0,7 mm	1,7 - 2,4 mm	0,4 - 0,6 mm	1,2 - 1,4 mm
0,7 - 1,2 mm	2,4 - 2,8 mm	0,6 - 0,8 mm	1,4 - 1,7 mm
1,2 - 1,7 mm	2,8 - 3,3 mm	0,8 - 1,0 mm	1,7 - 2,0 mm
		1,0 - 1,2 mm	2,0 - 2,4 mm

Technical properties:

Shape	round
Density (spec. gravity)	6,2 g/cm³ +/-0,05
Hardness according to Mohs	9
Coefficient of thermal expansion	---
Surface	glossy satin smooth
Modulus of elasticity (Young)	---
Settled apparent density	3,75 - 4,05 kg/dm³
Crushing strength acc. to diameter	dia 1,5 mm = >175 Kgf
Purity	---
Deformation temperature	---
Thermal conductivity	---

Chemical composition:

ZrO_2	83%
CeO_2	17%

Packing:

- in plastic-buckets with 25 kg each

Storage:

in dry rooms