MÜHLMEIER
GRINDING

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Product information

ZYS-L Beads

Zirconium oxide (Ytt-stab.) ZrO_2 94,4%

Characteristics and use:

Micro grinding balls with high specific weight for long mill run-times. No ball break, since no air inclusions are existing. No radioactivity compared with zirconium silicate balls and so no contamination of the mill material, therefore no expensive removal of the balls after use.

Recommended application for:

- paints and varnishes
- inks
- magnetic coatings
- organic and inorganic pigments
- dyes
- cosmetics
- minerals
- technical ceramic
- electrical ceramic
- medical engineering

Diameters:

0,1 - 0,2 mm	0,6 - 0,8 mm	1,8 - 2,0 mm
0,2 - 0,3 mm	0,8 - 1,0 mm	1,9 - 2,1 mm
0,2 - 0,4 mm	1,0 - 1,2 mm	2,0 - 2,2 mm
0,3 - 0,4 mm	1,2 - 1,4 mm	2,0 - 2,5 mm
0,4 - 0,5 mm	1,4 - 1,6 mm	2,3 - 2,7 mm
0,4 - 0,6 mm	1,6 - 1,8 mm	further diameters up to 30 mm possible

Technical properties:

Shape	round
Colour	white
Density (spec. gravity)	6 g/cm³
Hardness acc. to Vickers	1150 HV_{10}
Heat extension coefficient	---
Surface	smooth
Modulus of elasticity (Young)	210 Gpa
Settled apparent density	3,62 - 3,76 kg/dm³
Pureness	food pure
Deformation temperature	---

Chemical composition:

$ZrO_2 + HfO_2$	94,4%
Y_2O_3	5,3%
others	0,3%

Packing:

PE buckets with 20 kg each

Storage:

in dry rooms