

Product information

ZIRCOSIL®

zirconium silicate ZrO₂ 60%

Characteristic and use:

Zircosil® micro milling beads with medium density, long-lasting and cost-effective, are used worldwide in bead mills, pearl mills, turbo mills or agitating attritor mills. Zircosil® beads can replace glass and most ceramic beads due to superior features and cost economics and are most ideally suited for dispersion and micro fine milling of low and medium viscous auto and allied paints, pigments, dyestuff, printing inks, colours, enamels, minerals, clays, calcium carbonate, coal, graphite, magnetic coatings, thermal paper coatings, agrochemicals, carbon paper coatings, typewriter ribbon coatings, photo copier toners, dielectric ceramic formulations and host of many other hard and soft substances requiring speedy dispersion or micro fine particle size reduction.

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 - 1,6 mm
1,2 - 1,7 mm	2,8 - 3,3 mm	0,8 - 1,0 mm	1,6 - 2,0 mm
		1,0 - 1,2 mm	2,0 - 2,4 mm

Technical properties:

Shape	round
Density (spec. gravity)	4,6 g/cm³ +/-0,05
Hardness according to Mohs	9
Coefficient of thermal expansion	---
Surface	glossy satin smooth
Modulus of elasticity (Young)	---
Settled apparent density	2,75 kg/dm³ +
Crushing strength acc. to diameter	dia 1,5 mm = >72,5 Kgf
Purity	food-pure
Deformation temperature	---
Thermal conductivity	---

Chemical composition:

ZrO ₂	60%	others	10%
SiO ₂	30%		

Packing:

- in metal-buckets with 25 kg each

Storage:

in dry rooms

Subject to change - All information is given in good faith but without warranty. We cannot accept responsibility or liability for any damage, resulting from the use of this information