

Product information

STEATITE - grinding balls and cylinders

Characteristic and use:

Produced by dry pressing process. Ceramic materials are resistant against corrosive influence of the atmosphere also in surroundings of media with content of salt, acid, alkali gas, steam and deposits - with the exception of hydrofluoric acid.

Diameters:

grinding balls with press rim			grinding cylinders with round edges	
6 mm	15 mm	40 mm	6 mm	15 mm
8 mm	20 mm	45 mm	8 mm	20 mm
10 mm	25 mm	50 mm	10 mm	25 mm
12,5 mm	30 mm	60 mm	12,5 mm	30 mm

Technical properties:

Shape	round
Density (spec.gravity)	2,7 g/cm ³
Hardness according to Vickers HV ₁₀	520
Coefficient of thermal expansion	8,5 x 10 ⁻⁶ K ⁻¹ (20-1000°C)
Surface	smooth, dense without porosity
Modulus of elasticity (Young)	
Settled apparent density	1,6 kg/dm ³
Crushing strength acc. to diameter	
Flexural strength	
Purity	food-pure
Deformation temperature	ca. 1.050°C
Specific heat capacity	8500 kg/cm ³
Thermal conductivity	---

Chemical composition:

SiO ₂	61,5%	Fe ₂ O ₃	0,5%
MgO	27,4%	Na ₂ O	0,1%
Al ₂ O ₃	6,8%	CaO	0,5%
BaO	3,2%		

Packing:

- in units with 25 kgs each

Storage:

in dry rooms