

## Chemical Composition

Aluminum oxide at least 99,7 mass.-%. The material is available as a ready to press granulate, which can be pressed uniaxial or isostatic.

Product Number:

**IKH 1404**

## Granulometry

Bulk density:	1150 ± 50 g/dm <sup>3</sup>
Tap density:	1350 ± 50 g/dm <sup>3</sup>

Residual moisture content (105°C):	0,3 ± 0,15 %
Tap density:	170 μm <sup>3</sup>

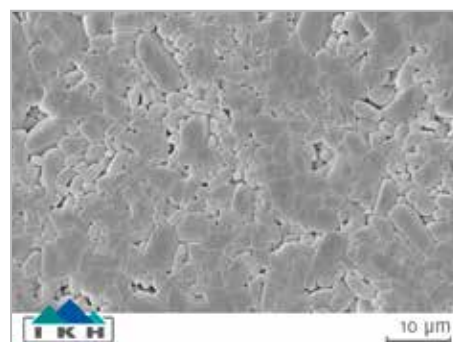
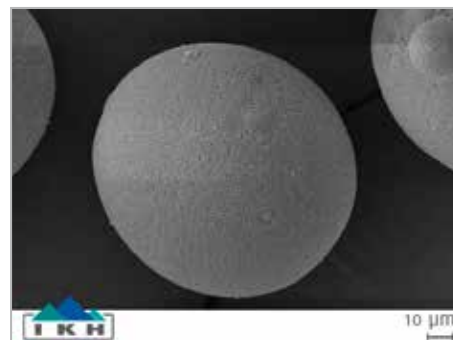
## Compression properties

Pressure density:	
(uniaxial 80 MPa):	2,21 g/cm <sup>3</sup>
(uniaxial 100 MPa):	2,25 g/cm <sup>3</sup>

Sinter density at 1600 °C/2 h:	
(uniaxial 80 MPa):	3,89 g/cm <sup>3</sup>
(uniaxial 100 MPa):	3,90 g/cm <sup>3</sup>

Linear shrinkage:	
(uniaxial 80 MPa):	16,2 ± 0,4 %
(uniaxial 100 MPa):	16,2 ± 0,4 %

Weight loss:	
at 1600 °C/2 h:	appr. 6 %



## Delivery & Storage

The delivery usually is carried in shrunken Big Bags with 1000 kg or might be in 25 kg cardboard boxes with inliner.

The material has to be stored on a dry and cool place. The storage in the sun or at temperatures below 3 °C (frost) is to be avoided absolutely! Otherwise substantial danger threatens of irreversible negative processing and characteristic changes.