

Ceramic Feedstocks

Product programme INMAFEED-Feedstocks

	Ceramic Powder	Colour	Particle Size d_{50}	Theoret. Density	Sintering Temperature	Atmosphere
Al₂O₃ - Feedstocks						
INMAFEED K1008	Al ₂ O ₃ , 96.0 %	white	1.8 -2.2 µm	3.80 g/cm ³	1,620 °C	in air
INMAFEED K1010	Al ₂ O ₃ , 99.7 %	white	1.0 -1.5 µm	3.86 g/cm ³	1,680 °C	in air
INMAFEED K1013	Al ₂ O ₃ , 99.8 %	ivory	0.5 µm	3.94 g/cm ³	1,600 - 1,650 °C	in air
INMAFEED K1021	Al ₂ O ₃ , 99.99 %	white / translucent	0.4 -0.6 µm	3.99 g/cm ³	approx. 1,800 °C for translucent applications	H ₂
ZrO₂ - Feedstocks						
INMAFEED K1009	ZrO ₂ 3Y (Tosoh)	white	0.6 µm	6.05 g/cm ³	1,400 - 1,450 °C	in air
INMAFEED K1012	ZrO ₂ 3Y (Tosoh)	white	0.6 µm	6.05 g/cm ³	1,500 °C	in air
INMAFEED K1015	ZrO ₂ 3Y (Tosoh)	black	0.4 µm	6.00 g/cm ³	1,400 - 1,500 °C	in air
INMAFEED K1016	ZrO ₂ 3Y (DK)	black	0.5 - 0.7 µm	5.90 g/cm ³	1,400 °C	in air

To all INMAFEED-Feedstocks applies:

Debinding: 2 steps, in water & thermal *

Processing temperatures: approx. 150 -160 °C

Mould temperature: approx. 50 - 65 °C

* Detailed conditions are depending on part dimension and design.

INMATEC

Heerstraßenbenden 10 · D-53359 Rheinbach, Germany

Phone: + 49 - 2226 9087 - 0

Telefax: + 49 - 2226 9087 - 10

E-Mail: info@inmatec-gmbh.com

Internet: www.inmatec-gmbh.com

