

INMAFEED

Ceramic Feedstocks – Product programme

	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	3.92 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	0.5 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 - 165 °C

Mould temperature: approx. 50 - 65 °C

* Process conditions are depending on part dimension and design.

INMATEC

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