

INMAFLOW

Ceramic Feedstocks – Product programme

	Ceramic Powder	Colour	Particle Size d_{50}	Theoret. Density	Sintering Temperature	Atmosphere
Al₂O₃ - Feedstocks						
INMAFLOW K2008	Al ₂ O ₃ , 96.0 %	white	1.8 - 2.2 µm	3.80 g/cm ³	1,620 °C	in air
INMAFLOW K2010	Al ₂ O ₃ , 99.7 %	white	1.0 - 1.5 µm	3.92 g/cm ³	1,680 °C	in air
INMAFLOW K2013	Al ₂ O ₃ , 99.8 %	ivory	0.5 µm	3.94 g/cm ³	1,600 - 1,650 °C	in air
INMAFLOW K2021	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
INMAFLOW K2030	Al ₂ O ₃ , 99.7 %	white	0.5 µm	3.90 g/cm ³	1,610 °C	in air

ZrO₂ - Feedstocks

INMAFLOW K2012	ZrO ₂ 3Y (Tosoh)	white	0.6 µm	6.05 g/cm ³	1,400 - 1,500 °C	in air
INMAFLOW K2015	ZrO ₂ 3Y (Tosoh)	black	0.5 µm	6.00 g/cm ³	1,400 °C	in air

To all INMAFLOW-Feedstocks applies:*

Debinding: 2 steps, in acetone & thermal
Processing temperatures: approx. 90 - 140 °C
Mould temperature: approx. 20 - 30 °C

* Process conditions are depending on part dimension and design.

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