

Data Sheet	
Product	Aluminium Oxide Al ₂ O ₃ plus processing additives
Ceramic powder	Al ₂ O ₃ , 96 %
Appearance	White to greyish granulate material
Product description	Injection moulding feedstock for production of sintered ceramic components
Theoretical density	3.72 g/cm ³
Shrinkage approx.	15.5 % corresponding
Mold factor approx.	1.18
Processing temperature	From feeding zone 152 °C to nozzle tip 158 °C
Mold temperature	50 °C – 60 °C
Debinding	2 step water & thermal Particular conditions are depending on part dimension and design.
Sintering temperature	1,620 °C in air
Storage and Lifetime	Product can be used for approx. 6 months after opening if stored dry at room temperature. Vessel has to be closed airtight <u>thoroughly</u> after feedstock withdrawal.
Manufacturer	INMATEC Technologies GmbH Heerstrassenbenden 10 D- 53359 Rheinbach

Advice: Due to the abrasive behaviour of ceramic powder we strongly recommend production with cylinder, screw and mold made from hard metal only.