

Data Sheet	
Product	Aluminium Oxide Al ₂ O ₃ plus processing additives
Ceramic powder	Al ₂ O ₃ , 99.5 %
Appearance	White to greyish granulate material
Product description	Injection molding feedstock for production of sintered ceramic components
Theoretical density	3.99 g/cm ³
Shrinkage approx.	16.2 % corresponding
Mold factor approx.	1.193
Processing temperature	From feeding zone 152 °C to nozzle tip 160 °C
Mold temperature	55 °C – 62 °C
Debinding	2 step water & thermal Particular conditions are depending on part dimension and design.
Sintering temperature	1,680 °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.