

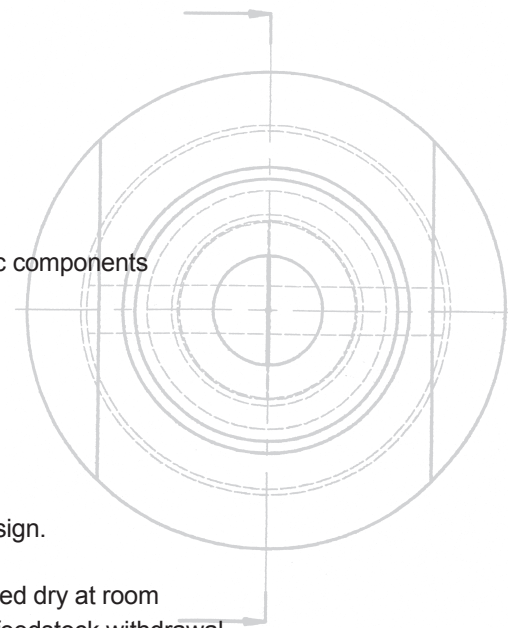


PRECISION THROUGH QUALITY

INMAFEED K1015

Technical Data Sheet

Product	Black zirconium oxide ZrO_2 plus processing additives
Ceramic powder	ZrO_2 , 94.5 %, partly Y_2O_3 - stabilised, TZ-Black (Tosoh Corp.)
Appearance	Grey granulate material
Product description	Injection moulding feedstock for production of sintered ceramic components
Theoretical density	6.0 cm^3
Shrinkage approx.	22 % corresponding to
Mold factor approx.	1.28
Processing temperature	From feeding zone 159°C to nozzle tip 162°C
Mold temperature	62 °C
Debinding	2 step water & thermal Particular conditions are depending on part dimension and design.
Sintering temperature	1400-1500°C in air
Storage and Lifetime	Product can be used for approx. 3 months after opening if stored dry at room temperature. Vessel has to be closed airtight thoroughly 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 mould made from hard metal only.

Oktober 2009