Application field: Glass / Ceramics

Material: Unsintered injection mould parts (green parts): Ceramic parts (CIM); Fe-Ni metal parts (MIM)

Feed size: 30-70 mm

Feed quantity: 2550 g (CIM-parts); 4300 g (MIM-parts)

Material specification: medium-hard, brittle

Customer requirement: Particle sizes from 3 - 5 mm (as sent granulated sample for comparison); recycling

Subsequent analysis: not defined

Instrument: SM 2000 Heavy-Duty Cutting Mill

Configuration: Standard hopper; 6-disk rotor; ring-type filter with Conidur hole body for collecting receptacle 5 l; bottom sieve of stainless steel with square holes of 4 mm; dirt collecting pan of plastic.

Parameter: Rotational speed: 750 rpm

Time: 5 min. (CIM); 8 min. (MIM)

Result: predominantly < 3 mm, as demanded.

Remark:

Recommendation: For the grinding of unsintered medium-hard and brittle CIM- / MIM-parts we recommend our Heavy Duty Cutting Mill SM 2000 according to the above mentioned conditions.
Pictures of the sample

Fig. 1: Ceramic Injection Molding (CIM) parts; unmilled

Fig. 2: Metal injection molding (MIM) parts; unmilled

Fig. 3: CIM parts after milling in SM 2000 with bottom sieve 4 mm square holes

Fig. 4: MIM parts after milling in SM 2000 with bottom sieve 4 mm square holes

The application report is based solely on the processing of the available sample material in the indicated amount. No legal claims shall be derived from this test report.

Subject to technical modification and errors.

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