Task:

Application field: Glass / Ceramics

Material: Ceramic injection molded (CIM) parts, based on steatite and cordierite

Feed size: 3-40 mm

Feed quantity: 5000 g (per batch)

Material specification(s): medium-hard, dry

Customer requirement(s): Granulate 2 - 3 mm

Subsequent analysis: For recycling, using extruder

Solution:

Selected instrument(s): SM 2000 Heavy-Duty Cutting Mill

Configuration(s): Long stock hopper; Bottom sieves of stainless steel, square holes 6 mm; Ring-type filter with Conidur hole body for collecting receptacle 5 l

Parameter(s): Revolution speed 750 rpm

Time: 3 min. (per batch)

Achieved result(s): 80 % of the fraction 1 - 4 mm
15 % < 1 mm

Remark(s):

Recommendation: For pre-cutting of medium-hard ceramic injection molded parts the Heavy-Duty Cutting Mill SM 2000 is suitable under the above mentioned conditions.

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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