**Task:**

**Application field:** Chemistry / Plastics

**Material:** Polyacrylamide (PAA)

**Feed size:** 0-3 mm

**Feed quantity:** 350 g (max. 1000 g)

**Material specification(s):** brittle

**Customer requirement(s):** < 200 µm, research project

**Subsequent analysis:** not defined

**Solution:**

**Selected instrument(s):** ZM 200 Ultra Centrifugal Mill
DR 100 Vibratory Feeder

**Configuration(s):** Push-fit rotor of stainless steel with 12 teeth;
Distance sieve ring of stainless steel, Conidur holes 0.25
and 0.5 mm;
Cyclone for ZM 200 with passage receptacle and holder

**Parameter(s):** Rotational speed 18000 rpm

**Time:** 15 min. (per batch)

**Achieved result(s):** 50 % < 200 µm (distance sieve 0.5 mm);
95 % < 200 µm (distance sieve 0.25 µm)

**Remark(s):** The material was continuously fed by the Vibratory Feeder DR 100.

**Recommendation:** For fine grinding of polyacrylamide the Centrifugal Mill ZM 200 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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