**Task:**

**Application field:** Chemistry / Plastics  
**Material:** Screw anchor of polyamide 6  
**Feed size:** 20-200 mm  
**Feed quantity:** 20 g  
**Material specification(s):** elastic  
**Customer requirement(s):** < 3 - 5 mm  
**Subsequent analysis:** Melting Point and melt index

**Solution:**

**Selected instrument(s):** SM 100 Cutting Mill  
**Configuration(s):** Standard hopper;  
Bottom sieve of stainless steel, square holes 4 mm;  
Ring-type filter with trapezoid hole body for collecting receptacle 5 l  
**Parameter(s):** Revolution speed approx. 1500 rpm  
**Time:** 2 min.  
**Achieved result(s):** 70 % < 3 mm  
**Remark(s):** For pre cutting of different plastic material the Cutting Mill SM 100 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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