Task:

**Application field:** Chemistry / Plastics

**Material:** Elastic profile strip with vermicular graphite, fire protection lamination

**Feed size:** 500-800 mm (length of the strips)

**Feed quantity:** 300 g (per batch)

**Material specification(s):** elastic

**Customer requirement(s):** < 4 mm

**Subsequent analysis:** not defined

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):** speed 750 rpm

**Time:** 60 s (per sample)

**Achieved result(s):** predominantly < 4 mm

**Remark(s):**

**Recommendation:** For pre-cutting of different elastic strips and ribbons 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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Pictures of the samples

Fig. 1: Profile strip, sample 1

Fig. 2: Profile strip, sample 5

Fig. 3: Fire resistant plastic box

Fig. 4: After grinding in SM 2000 with bottom sieve 6 mm

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