### Task:

**Application field:** Chemistry / Plastics

**Material:** Foam (Mattress and Pillow Foam)

**Feed size:** 5 – 80 mm

**Feed quantity:** approx. 10 – 15 g

**Material specification(s):** Dry, soft

**Customer Requirement(s):** < 3 mm, different sizes

**Subsequent analysis:** not defined

### Solution:

**Selected instruments(s):** Cutting Mill SM 100

**Configuration(s):** Parallel section rotor
- Bottom sieves 2 and 0.5 mm; stainless steel

**Parameter(s):** Revolution speed 1690 rpm

**Time:** approx. 1 – 2 min.

**Achieved result(s):** < 2 mm / < 0.5 mm (depending on the bottom sieve)

**Remark(s):** The smaller the mesh size of the bottom sieve, the more material will stay in the grinding chamber.

**Recommendation:** For the cutting of this material our Cutting Mill SM 100 is suitable under the above mentioned conditions.
Pictures of the sample(s)

**Fig. 1:** Foam before grinding

**Fig. 2:** Foam after grinding in SM 100 with 0.5 mm bottom sieve