### Task:

**Application field:** Chemistry / Plastics  
**Material:** Plastics: Aflon ETFE 88 + PFA-MM  
**Feed size:** 3-6 mm  
**Feed quantity:** 40 g (/ sample)  
**Material specification(s):** elastic  
**Customer requirement(s):** 200-300 µm  
**Subsequent analysis:** Dilution Viscosity

### Solution:

**Selected instrument(s):** ZM 200 Ultra Centrifugal Mill  
**Configuration(s):** Push-fit rotor of stainless steel with 12 teeth;  
Distance sieve of stainless steel, trapezoid holes 1 mm;  
Ring sieve of stainless steel, trapezoid holes 2 mm  
**Parameter(s):** Speed 18000 rpm  
**Time:** 5 min. (per sample)  
**Achieved result(s):** Mainly < 1 mm, see samples  
**Remark(s):** Cooling with liquid nitrogen is necessary before grinding!  
The feeding of the sample material should be done slow and continuous. The using of ring sieves with a smaller hole size < 1 mm is not possible in this case.  
**Recommendation:** The Ultra Centrifugal Mill ZM 200 is suitable for grinding the material under the above mentioned conditions.