Application field: Environment

Material: Plastic und synthetic mixture, refuse derived fuels (RDF)

Feed size: 0-50 mm

Feed quantity: 50 g

Material specification: elastic, temperaturesensitive

Customer requirement: < 0.5 mm

Subsequent analysis: Determination of sulphur, chlorine, gross calorific value, ash

Instrument: SM 2000 Heavy-Duty Cutting Mill
As the SM 2000 was discontinued we recommend to use the SM 200 now

Configuration: 6-disk rotor; standard hopper; Bottom sieves of stainless steel, square holes 2.0 mm; Ring-type filter with trapezoid hole body for collecting receptacle 5 l

Parameter: Rotational speed 750 rpm

Time: 5 min.

Result: < 0.5 - 1 mm; If a fineness < 0.5 is required the Ultra-Centrifugal Mill ZM 200 is suitable.

Remark: Before grinding the material was dried at 80 °C in a drying chamber. After grinding the material was divided with a Sample Splitter RT 12.5 to produce representative analytical quantities.

Recommendation: For sample preparation of refuse derived fuels the Heavy-Duty Cutting Mill SM 2000 is suitable under the above mentioned conditions.
Pictures of the sample

Fig. 1: Original sample

Fig. 2: After processing in SM 2000 with bottom sieve square holes of 2.0 mm

Fig. 3: After processing in ZM 200 with ring sieve