

PVC (blue)

Protocol number: M0097231
Industry: Construction materials, Chemistry, Plastics / textiles
Feed Size: 5 mm
Desired Fineness: < 2mm
Quantity: 100-1500 g
Recommendation: With the desired Cutting Mill PULVERISETTE 15, smaller amounts of sample can be ground to < 2 mm. It is also possible that smaller sieves can be used for grinding to e.g. < 1 mm (with higher amounts of residue inside the grinding chamber).

Result 1

Cutting Mill PULVERISETTE 15

rotor with straight cutting edges and fixed knives made of tool steel
+ sieve insert: 2,0 mm trapezoidal perforation made of stainless steel



Feed quantity: app. 1,5 kg
Feed Size: 5 mm
Grinding time: 4 min
Final fineness: output: 1,36kg; < 2 mm
Comments: Complete sample amount has been fed within 3 minutes. After a total of 4 minutes, grinding process has been interrupted. Already 1,36 kg of ground sample could be found inside the collecting pan. A higher amount of residue use to be left in the grinding chamber, sticking lightly by electrostatic charge (typical for most plastic samples). It is possible that a longer grinding time will raise the output somehow. Nevertheless, grinding chamber can be cleaned rapidly by vacuuming with a soft brush. Even higher amounts might be ground this way.
Also a Universal Cutting Mill PULVERISETTE 19 might be capable to grind such samples with several advantages (regarding cleaning, handling and available accessories).

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