

碳纤维段样本

行业:	Plastics / textiles
进料尺寸:	< 15mm
最终精度:	d90 < 5µm
样品量:	
研磨建议:	



PLANETARY MICRO MILL PULVERISETTE 7 PREMIUM LINE

850 rpm dry grinding

80 ml stainl. steel bowl + 40x10 mm stainl. steel balls
(~150g)

Feed quantity:	2 g (ca. 60 ml)
Feed Size:	<10 mm/5 µm diam.
Grinding time:	5 min
Final fineness:	d50 <2,8 µm d90 <10 µm*1

Comments: in the beginning the bowl is completely full. After the first 2-3 minutes the sample collapse backup on itself to a small volume.
*1: see result with our Laser-Particle-Sizer ANALYSETTE 22-NanoTec, Meas.No.5649 on separate page.



PLANETARY MICRO MILL PULVERISETTE 7 PREMIUM LINE

850 rpm wet grinding

80 ml stainl. steel bowl + 40x10 mm stainl. steel balls
(~150g)

Feed quantity: 2 g (ca. 60 ml)

Feed Size: <10 mm/5 μ m diam.

Additive: + 15ml water

Grinding time: 30 min

Final fineness: d50 <1,5 μ m

d90 <4,3 μ m*1

Comments: *1: see result with our Laser-Particle-Sizer

ANALYSETTE 22-NanoTec, Meas.No.5672 on separate page.

After 15 min. grinding time we measured a partice size of d50 <2,1 μ m and d90 <7,3 μ m (see Meas.No.5670).

After 5 min. grinding time we measured a partice size of d50 <3,8 μ m and d90 <13,0 μ m (see Meas.No.5651).



PLANETARY MONO MILL PULVERISETTE 6 CLASSIC LINE

650 rpm

80 ml stainl. steel bowl + 40x10 mm stainl. steel balls
(~150g)

Feed quantity: 1,25 g (<40 ml)
Feed Size: <10 mm/5 µm diam.
Additive: + 15ml water
Grinding time: 30 min
Final fineness: d50 <1,7 µm
d90 <4,9 µm*1

Comments: *1: see result with our Laser-Particle-Sizer
ANALYSETTE 22-NanoTec, Meas.No.5668 on separate
page.

After 15 min. grinding time we measured a partice
size of d50 <2,5µm and d90 <7,9µm (see
Meas.No.5666).

After 5 min. grinding time we measured a partice size
of d50 <5,2µm and d90 <16,8µm (see
Meas.No.5661).