



Application

Market segment:	Glass / Ceramics
Material:	Kaolin powder, china clay
Feed size:	0-1 mm
Feed quantity:	100 g (+ 150 ml isopropanol)
Material specification(s):	Medium-hard, smeary
Customer requirement(s):	< 0.5 µm, research project
Subsequent analysis:	Colour Measurement

Solution

Selected instrument(s):	Planetary Ball Mill
Configuration(s):	2 Grinding jars, 500 ml, Zirconia; per jar 300 ml grinding balls Zirconia Ø 3 mm
Working settings:	320 rpm
Time:	5 h (per batch)
Achieved result(s):	d50 = 1.4 µm d90 = 6.3 µm
Remark(s):	A higher end fineness can be reached by changing the grinding beads into Ø 2 mm
Recommendation(s):	For fine grinding and kolloidal applications the Planetary Ball Mill is suitable under the above mentioned conditions.



Kaolin

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