

# Body PORBAX 02BA

Soft Porcelain Body  
Spray-dried Granulate for Conventional and Pressure Casting

Chemical Analysis	
SiO <sub>2</sub>	64,0%
Al <sub>2</sub> O <sub>3</sub>	24,2%
K <sub>2</sub> O	3,1%
Na <sub>2</sub> O	0,63%
MgO	0,17%
CaO	0,18%
Fe <sub>2</sub> O <sub>3</sub>	0,40%
TiO <sub>2</sub>	0,02%
L.O.I.	7,0%

Particle Size Distribution (Sedigraph)	
D(50)	8 µm
D(90)	33 µm
< 20 µm	78%
< 10 µm	57%
< 2 µm	17%

<b>Residue (45 µm)</b>	2,6%
<b>Bending Strength (Dried)</b>	2,3MPa

Casting Properties		[Density 1710]
<b>Viscosity</b>	260°G	
<b>Tixotropy (1min.)</b>	90°G	
<b>Casting Thickness (4,5bar/4min.)</b>	6,8mm	

Fired Properties		[Temperature 1280° C (Reducing Atmosphere)]
<b>Shrinkage (Dried-Fired)</b>	11,2%	
<b>Water Absorption</b>	0%	
<b>Bending Strength (Fired)</b>	50MPa	
<b>Colour</b>	L 87   a -1,2   b 1,0	

The data quoted are based upon the average results of standard test methods.  
This indicative technical information is not intended to be construed as product specification.

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