


Ceramic Beads

Type ZY Premium	Chemical Composition weight-%		Mechanical Properties		Available Standard Sizes					
	ZrO ₂ + HfO ₂	94,7 %	Specific weight	6,06 kg / ltr.	Art. No	Size Range (mm)	Bulk Density (kg / ltr.)	Art. No	Size Range (mm)	Bulk Density (kg / ltr.)
	Y ₂ O ₃	5,1 %	Youngs-module	215 GPa	97015	0,1 - 0,2	3,900	9711	1,0 - 1,2	3,753
	Others	0,2 %	Microhardness	1.200 HV	97025	0,2 - 0,3	3,881	9713	1,2 - 1,4	3,715
	Produced with pure and finest crystallized raw material				9703	0,2 - 0,4	3,830	9715	1,4 - 1,6	3,652
	Recommendations for grinding applications				97035	0,3 - 0,4	3,818	9717	1,6 - 1,8	3,601
	- in high energy mills, like pin-mills				9705	0,4 - 0,6	3,784	9719	1,8 - 2,0	3,544
	- for water based milling products with low viscosity, low solids – like ink jet				9707	0,6 - 0,8	3,773	9723	2,0 - 2,5	3,522
	- in the food industry, for pharmaceutical products and cosmetics				9709	0,8 - 1,0	3,767	9729	2,6 - 3,3	3,500
										

Figures are reference values.

Special sizes are available upon request. Figures of Bulk Density are reference values.