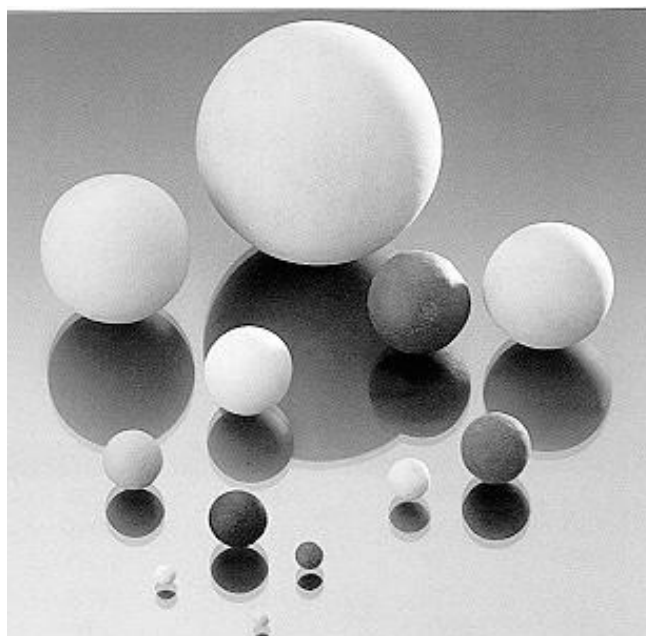


HiDur™ Alumina Oxide Balls

Technical data



Typical chemical composition

SiO ₂	≤ 0,15 %	MgO + CaO	≤ 0,2 %
Al ₂ O ₃ + TiO ₂	≥ 99 %	Na ₂ O + K ₂ O	≤ 0,4 %
Fe ₂ O ₃	≤ 0,12 %	leachable iron (mg/kg)	< 15



Typical physical properties

E-Modulus	GPa	300
Mohs Hardness		9
Specific heat, 30°C - 100°C	J/kg K	850 - 1050
Thermal conductivity, 30°C - 100°C	W/mK	19 - 30
Coefficient of thermal expansion, 30°C - 600°C	$10^{-6}K^{-1}$	7 - 9
Heat resistance	up to c. °C	1 500

Specific properties

Size mm	Packing density, t/m ³	Density, g / cm ³	Water absorption,. %	Compr. strength per ball, N
Balls				
1/8" (2- 5)	2,0	3,0	max. 6	500
1/4" (5-7)	2,2	3,6	max. 2	2500
3/8" (9-11)	2,2	3,6	max. 2	4000
1/2" (12-14)	2,2	3,6	max. 2	6000
5/8" (14,3-18,7)	2,2	3,6	max. 2	8000
3/4" (18-21)	2,2	3,6	max. 2	10000
1" (23-27)	2,0	3,5	max. 3	14000
1 ¼" (28-32)	2,0	3,5	max. 3	17000
1 ½" (33- 38)	2,0	3,5	max. 3	20000
2" (50-55)	2,0	3,5	max. 3	25000

alku99e 31.08.2007

All information presented herein is believed to be accurate and reliable but does not constitute a warranty or performance guarantee on part of RVT PE GmbH.