



Technical Data Grinding Balls

Typical chemical analysis

	KREUTZALOX 92	KREUTZALOX 95	KREUTZALOX 99,5
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Al ₂ O ₃	92 %	95 %	99,5 %
SiO ₂	3,50 %	2,20 %	0,12 %
MgO	2,35 %	1,40 %	0,15 %
CaO	1,90 %	1,10 %	0,05 %
Na ₂ O	< 0,20 %	< 0,20 %	0,08 %
Fe ₂ O ₃	< 0,50 %	< 0,50 %	0,03 %

Specific gravity/density	> 3,60 g/cm ³	> 3,69 g/cm ³	> 3,68 g/cm ³ *
Water absorption	0%	0%	< 0,4 %
Hardness Mohs	~ 9	~ 9	~ 9
Colour	white	white	white
Stability of temperatur	until 1.300 °C	until 1.300 °C	until 1.300 °C
Bending strength	> 340 N/mm ²	> 340 N/mm ²	> 300 N/mm ²
Compressive strength	> 2.250 N/mm ²	> 2.250 N/mm ²	> 1.750 N/mm ²

The mentioned values are to be understood as standard values.

diameter	KREUTZALOX 92	KREUTZALOX 95	KREUTZALOX 99,5
7 mm - 1/4"	● ● ●	□ □ □	
12 mm - 1/2"	● ● ●	□ □ □	
20 mm - 3/4"	● ● ●	● ● ●	● ● ●
25 mm - 1"	● ● ●	● ● ●	● ● ●
30 mm - 1 1/4"	● ● ●	● ● ●	● ● ●
35 mm - 1 3/8"	● ● ●	● ● ●	● ● ●
40 mm - 1 1/2"	● ● ●	● ● ●	
45 mm - 1 3/4"	● ● ●	● ● ●	
50 mm - 2"	● ● ●	□ □ □	
63 mm - 2 1/2"	● ● ●	□ □ □	

● standard
 □ special sizes by inquiry