



CHEMSHUN CERAMICS-- Grinding Media Series

◆ Technical data of ZrO₂ ceramic (TZP) grinding media

1. Chemical data.

Item	value
ZrO ₂	94.5±0.5%
Y ₂ O ₃	5.2±0.5%
Al ₂ O ₃	<0.3%
Fe ₂ O ₃ , SiO ₂ , Na ₂ O, MgO	<0.2%

2. Physical data

Item	value
Specific gravity (Density)	>6gms/cc
Hardness (Moh's)	9 scale
Color	White
Roundness	93-97%

3. Dimension data

Dimension (mm)	0.1, 0.2, 0.4~0.6, 0.6~0.8, 0.8~1.0, 1.0~1.2, 1.2~1.4, 1.4~1.6, 1.6~1.8, 1.8~2.0, 2.0~2.5, 3, 4, 5, 6, 7, 8, 10, 12, 15, 20, 25, 30, 40
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CHEMSHUN CERAMICS-- Grinding Media Series

◆ Technical data of 80% ZrO₂ ceramic (Z80) grinding media

6. Chemical data.

Item	value
ZrO ₂ + HfO ₂	80%
Y ₂ O ₃ +Al ₂ O ₃	20%

2.Physical data

Item	value
Specific gravity (Density)	>5.3gms/cc
Hardness (Moh's)	≥8 scale
Color	White
Roundness	93-97%

3. Dimension data

Dimension (mm)	0.1, 0.2, 0.4~0.6, 0.6~0.8, 0.8~1.0, 1.0~1.2, 1.2~1.4, 1.4~1.6, 1.6~1.8, 1.8~2.0, 2.0~2.5, 3, 4, 5, 6, 7, 8, 10, 12, 15, 20, 25, 30, 40
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