

Ceramic Grinding Beads For Mining Industry

CHEMSHUN®
CERAMICS



•High-performance, high density ceramic grinding media (CS52, CS60, CS62)

CS52 series Zirconia ceramic grinding media is an ultra high-performance, high density, durable and cost effective ceramic grinding media, applications in stirred vertical mills and horizontal mills such as Metso's SMD , Glecore IsaMill, FLSmidth's VXP mill or the Outotec HIGMill.

CS60 series Zirconia-Y ceramic grinding media and CS62 series Zirconia-Ce ceramic grinding media are the ultra high-performance, high density, durable ceramic grinding media applications in stirred vertical mills and horizontal mills for ultra-fine grinding, mixing and dispersing.



CS52 Series



CS60 Series



CS62-1 Series



CS62-2 Series

With the superior strength, high hardness, wear resistance and consistent particle size and shape characteristics, CS52, CS60, CS62 are well suited to high speed milling process of mineral ores and also very suitable for the fields of industrial ceramics, electronic ceramics, cement, chemical, paints, inks dyes, pigments and magnetic coatings.

Chemical and physical properties

Property	Data	CS60	CS62
Main chemical composition	ZrO ₂ , Al ₂ O ₃	ZrO ₂ , Y ₂ O ₃	ZrO ₂ , Ce ₂ O ₃
Diameter range	0.5~30mm	0.5~20mm	0.5~20mm
Specific gravity	5.1~5.3g/cm ³	5.9~6.1g/cm ³	6.1~6.2g/cm ³
Roundness	>93%	>93%	>93%
Vickers hardness	1350~1450	1300~1400	1200~1250
Water absorption	0	0	0
Color	White or Cream	White	Yellow or Brown

Note: The data of the sheet here are based on laboratory testing, data is subject to change due to continuous improvement of the products.

PINGXIANG CHEMSHUN CERAMICS CO.,LTD



In English En español

Factory & Office Address: Non-metal Area of Shangliuyuan, Economic Development Zone
Pingxiang City, Jiangxi Province, P.R. China.Code 337000
Tel: 86-799-6790781,2181002,2181004 Fax: 86-799-6790785
Website: www.chemshun.com & www.chemshun-es.com Email: office@chemshun.com

Ceramic Grinding Beads For Mining Industry

CHEMSHUN®
CERAMICS



Pingxiang Chemshun Ceramic Co.,Ltd is Ceramic Grinding Media manufacturer. To meet the market requirement of different milling applications, Chemshun developed a range of ceramic grinding media with broadest range of sizes and densities are available to suit both horizontal and vertically mills for fine & ultra-fine grinding, mixing and dispersing.

Chemshun Ceramics Grinding Media Including:

•High-performance, Low-density ceramic grinding media:
CS26 with unmatched economic and performance advantage in fine and ultra-fine grinding process of soft mineral materials with low slurry density.

•High-performance, middle density ceramic grinding media:
CS32, CS36, CS38, CS40, which widely used in the grinding mill of mining and minerals and suitable for hard minerals, high density slurry of minerals. The series media improve cost efficiency of customer.

•High-performance, high density ceramic grinding media:
CS52, CS60, CS62 with the best grinding, mixing and dispersing efficiency. This zirconia-based grinding media is the optimum combination of efficient and cost-effective products to enhance productivity and quality.

The Features

High hardness
Superior impact and wear resistance
Uniform size and good roundness
Inert Chemical and environmentally friendly
Engineered made



The Benefits:

High grinding efficiency
Decreasing product contamination
Longer product life cycle
Reduce mill wear and maintenance cost, less down time
Less energy than steel or iron balls
Less cost per volume than high-density steel media alternatives

Applications:

Mining / Mineral
Industrial Ceramics
Electronic Ceramics
Cement
Chemical
Paints, Inks, Dyes, Pigments
Magnetic Coatings

Package:

1ton big-bag, or 25kg/small bag, or 25kg/drum.

Chemshun Service:

We have experts team understand your needs supply the engineered great ceramic grinding media for your grinding application.
We offer on-site visiting, lab testing, professional solution for you.

PINGXIANG CHEMSHUN CERAMICS CO.,LTD



In English En español

Factory & Office Address: Non-metal Area of Shangliuyuan, Economic Development Zone
Pingxiang City, Jiangxi Province, P.R. China.Code 337000
Tel: 86-799-6790781,2181002,2181004 Fax: 86-799-6790785
Website: www.chemshun.com & www.chemshun-es.com Email: office@chemshun.com

Ceramic Grinding Beads For Mining Industry

CHEMSHUN®
CERAMICS



•High-performance, low density and middle density ceramic grinding media (CS26,CS32, CS36,CS38)

CS26 series ceramic grinding media is an ultra high-performance, low density, fine grained grinding media applications in vertical and horizontal mills.

CS32 series ceramic grinding media and CS36 series ceramic grinding media are ultra high-performance, middle density, fine grained grinding media applications in stirred vertical mills and horizontal mills such as Metso's SMD , Glecore IsaMill, or the Outotec HIGMill.



CS38 series Zirconia Toughened Alumina (ZTA) ceramic grinding media is an ultra high-performance, middle density, durable and cost effective ceramic grinding media, applications in stirred vertical mills and horizontal mills such as Metso's SMD , Glecore IsaMill,FLSmith's VXP mill or the Outotec HIGMill.

Chemical and physical properties

Property	CS26	CS32	CS36	CS38
Chemical composition	Al ₂ O ₃ , SiO ₂ , Others	Al ₂ O ₃ , SiO ₂ , ZrO ₂	Al ₂ O ₃	Al ₂ O ₃ , ZrO ₂
Diameter range	0.5~20mm	0.5~20mm	0.5~20mm	0.5~20mm
Specific gravity	2.6~2.8 g/cm ³	3.2~3.3 g/cm ³	3.5~3.75 g/cm ³	3.8~3.95 g/cm ³
Roundness	>93%	>93%	>93%	>93%
Vickers hardness	700~800	900~1000	1300~1350	1350~1450
Water absorption	0%	0%	0%	0%
Color	White/Ivory	White	White	White

Note: The data of the sheet here are based on laboratory testing, data is subject to change due to continuous improvement of the products.

PINGXIANG CHEMSHUN CERAMICS CO.,LTD



In English En español

Factory & Office Address: Non-metal Area of Shangliuyuan, Economic Development Zone
Pingxiang City, Jiangxi Province, P.R. China.Code 337000
Tel: 86-799-6790781,2181002,2181004 Fax: 86-799-6790785
Website: www.chemshun.com & www.chemshun-es.com Email: office@chemshun.com

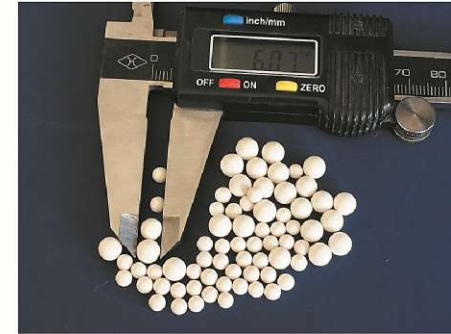
Ceramic Grinding Beads For Mining Industry

CHEMSHUN®
CERAMICS



•High-performance, middle density ceramic grinding media (CS40)

CS40 series Zirconia Silicate ceramic grinding media is an ultra high-performance, middle density, durable and cost effective ceramic grinding media, applications in stirred vertical mills and horizontal mills such as Metso's SMD , Glecore IsaMill, FLSmith's VXP mill or the Outotec HIGMill. With the superior strength, high hardness, wear resistance and consistent particle size and shape characteristics, It is well suited to high speed milling process of mineral ores and similar hardness and provide the unmatched economic and performance for you.



Chemical and physical properties

Property	CS40
Main chemical composition	ZrO ₂ , SiO ₂ , Al ₂ O ₃
Diameter range	0.5~20mm
Specific gravity	4.0~4.2g/cm ³
Roundness	>93%
Vickers hardness	1000~1050
Water absorption	0%
Color	Cream

Note: The data of the sheet here are based on laboratory testing, data is subject to change due to continuous improvement of the products.

PINGXIANG CHEMSHUN CERAMICS CO.,LTD



In English En español

Factory & Office Address: Non-metal Area of Shangliuyuan, Economic Development Zone
Pingxiang City, Jiangxi Province, P.R. China.Code 337000
Tel: 86-799-6790781,2181002,2181004 Fax: 86-799-6790785
Website: www.chemshun.com & www.chemshun-es.com Email: office@chemshun.com