



EUROMOLIENDAS



*En primer plano.*

# EUROMOLIENDAS

ESPAÑA



ASIA



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# INTRODUCCIÓN

CUALIDAD  
PRECIO  
SERVICIO

## EUROMOLIENDAS

### EUROMOLIENDAS ESPAÑA

Euromoliendas España es una realidad española, que nace al final de 2004, y tiene como finalidad devenir partner de las empresas cerámicas en el mundo. Después de diez años es capaz de ofrecer una gama de productos en alúmina, con alto contenido tecnológico.

En síntesis, mejor relación calidad/precio.

Euromoliendas Spain is a Spanish truth, that is born at the end of 2004, with the objective to become partner of the ceramic companies in the world. After ten years it is able to offer a range of products made up of synthesis, optimal relationship between quality/price.

### EUROMOLIENDAS ASIA

Euromoliendas Asia es el sitio productivo del grupo Euromoliendas, que nace paralelamente a la sociedad española. Se ocupa de la producción de las bolas de alúmina y de los revestimientos para molinos, permitiendo a Euromoliendas servir, a hoy, los mercados mundiales.

Euromoliendas Asia is the productive site of the group, that it is born in parallel with the Spanish society. One takes care of the production of the alumina balls and the covering for mills, allowing to Euromoliendas serving, today, the world markets.

### SERVICIO TÉCNICO

Euromoliendas dispone de personal especializado para asesoramiento y montaje de revestimiento de Alumina para todo tipo de molinos.

### TECHNICAL SERVICES

Euromoliendas has a specialised personnel in technical advice and set-up of Alumina coatings for all type of mills.

# ZIRCONIUM MICROBALLS 95%

## SPECIFICATIONS OF ZIRCONIUM BALL

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PROPERTY (UNIT)	PARAMETER
CONTENT (Wt%)	94.6% ZrO <sub>2</sub> 5.2%Y <sub>2</sub> O <sub>3</sub>
PACKING DENSITY (Kg/L)	3.5 (ø5mm)
DENSITY (G/CM <sup>3</sup> )	6.00
HARDENESS (HV) (GP <sub>a</sub> )	>12
ELASTIC MODULUS (GP <sub>a</sub> )	200
THERMAL CONDUCTIVITY (W/M.K)	3
THERMAL EXPANSION COEFFICIENT (10x10 <sup>-6</sup> /°C) (20 To 400)	9.6
PRESSING INTENSITY (KN)	>25 (ø5mm)
FACTURE TENACITY (MPam 1/2)	8
GRAIN SIZE (um)	<0.5
SIZE: [0.2 - 1]mm	
[1.5 -2]mm	
3, 5, 6, 8, 10, 12, 15 mm	

# ALUMINA MICROBALLS 99% PLATINUM

## CHEMICAL COMPOSITION AND PHYSICAL PROPERTIES

AL <sub>2</sub> O <sub>3</sub>	> 99 %
SiO <sub>2</sub>	< 0.15 %
Fe <sub>2</sub> O <sub>3</sub>	< 0.12 %
CaO + MgO	< 0.2 %
TiO <sub>2</sub>	< 0.06 %
Na <sub>2</sub> O	< 0.2 %
K <sub>2</sub> O	< 0.1 %

## PHYSICAL PROPERTIES

E-MODULUS (GPA)	300
HARDNESS (MOHS')	9
SPECIFIC HEAT, 30 °C ~ 100°C (J/Kg · K)	850~1050
THERMAL CONDUCTIVITY, 30 °C ~ 100°C (W/M · K)	19~30
COEFFICIENT OF THERMAL EXPANSION, 30 °C ~600°C (10 <sup>-4</sup> K <sup>-1</sup> )	7~9
HEAT RESISTANCE (up to 0 °C)	1650

## PHYSICAL PROPERTIES

SEPC		BULK DENSITY (g/m <sup>3</sup> )	PACKING DENSITY (t/m <sup>3</sup> )	WATER ABSORPTION (%)	COMPRESSION STRENGTH (N)
INCH	MM				
1/8"	3	3.30~3.60	2.00~2.20	max.6	500
1/4"	6	3.30~3.60	2.00~2.20	max.2	2500
3/8"	10	3.30~3.60	2.00~2.20	max.2	4000
1/2"	13	3.30~3.60	2.00~2.20	max.2	6000
5/8"	16	3.30~3.60	2.00~2.20	max.2	8000
3/4"	20	3.30~3.60	2.00~2.20	max.2	10000
1"	25	3.30~3.60	2.00~2.20	max.3	14000
1 1/4"	30	3.30~3.60	2.00~2.20	max.3	16000
1 1/2"	40	3.30~3.60	2.00~2.20	max.3	18000
2"	50	3.30~3.60	2.00~2.20	max.3	25000



# ALUMINA MICROBALLS 92% PLATINUM

## DESCRIPTION CODE

H: high density | H: high quality | R: rolling technology

## DESCRIPTION PRODUCT

Alumina balls product by sintering of  $Al_2O_3$  and other metal oxide.

## PHYSICAL CHARACTERISTICS

CONTENT $Al_2O_3$	92% ± 1%
DENSITY ( $g/cm^3$ )	3,65 ± 0,05
HARDNESS (Moh's)	9,0 ± 0,05
COMPRESSION (MPa)	2000
COLOR R	White

PRODUCTION TECHNOLOGY: ROLLING  
PRODUCTION SIZE: 0,5 ÷ 12 mm  
RANGE SIZE: ± 0,05 mm

## APPLICATION

	CERAMIC INDUSTRY	PAINT INDUSTRY	INSTALLERS	RAW MATERIALS PRODUCTION
Wet grinding	•	•	•	•
Dry grinding	•	•	•	•

## PACKAGING

Sacks of 25 kg inside wood boxes of 1000 kg.

## STORAGE

We recommend you to put the stock inside for preserving packaging.

# ALUMINA BALLS 92% PLATINUM HHR, ALUMINA BALLS 92% PLATINUM HHC

## DESCRIPTION CODE

H: high density | H: high quality | R: rolling technology - C: compression technology

## DESCRIPTION PRODUCT

Alumina balls product by sintering of  $Al_2O_3$  and other metal oxide.

## PHYSICAL CHARACTERISTICS

CONTENT $Al_2O_3$	92% ± 1%
DENSITY ( $g/cm^3$ )	3,65 ± 0,05
HARDNESS (Moh's)	9,0 ± 0,05
COMPRESSION (MPa)	2000
COLOUR	White

PRODUCTION TECHNOLOGY: ROLLING  
PRODUCTION SIZE: 15 mm – 19 mm – 21 mm –  
25 mm – 30 mm  
RANGE SIZE: ± 1 mm

PRODUCTION TECHNOLOGY: COMPRESSION  
PRODUCTION SIZE: 25 mm – 30 mm – 40 mm –  
45 mm – 50 mm – 60 mm – 70 mm  
RANGE SIZE: ± 1 mm

## APPLICATION

	CERAMIC INDUSTRY	PAINT INDUSTRY	INSTALLERS	RAW MATERIALS PRODUCTION
Wet grinding	•	•	•	
Dry grinding	•	•	•	•

## PACKAGING

- Big bag 500/1000 kg inside wood boxes of 1000 kg.
- Sacks of 25 kg inside wood boxes of 1000 kg.

## STORAGE

We recommend you to put the stock inside for preserving packaging.

# ALUMINA BALLS 92% GOLD HMC

## DESCRIPTION CODE

H: high density | M: medium quality | C: compression technology

## DESCRIPTION PRODUCT

Alumina balls product by sintering of  $Al_2O_3$  and other metal oxide.

## PHYSICAL CHARACTERISTICS

CONTENT $Al_2O_3$	92% ± 1%
DENSITY ( $g/cm^3$ )	3,60 ± 0,05
HARDNESS (Moh's)	9,0 ± 0,1
COMPRESSION (MPa)	2000
COLOUR	White

PRODUCTION TECHNOLOGY: COMPRESSION

PRODUCTION SIZE: 25 mm – 30 mm – 40 mm –  
45 mm – 50 mm – 60 mm – 70 mm

RANGE SIZE: ± 1 mm

## APPLICATION

	CERAMIC INDUSTRY	PAINT INDUSTRY	INSTALLERS	RAW MATERIALS PRODUCTION
Wet grinding	•	•	•	
Dry grinding	•	•	•	•

## PACKAGING

- Big bag 500/1000 kg inside wood boxes of 1000 kg.
- Sacks of 25 kg inside wood boxes of 1000 kg.

## STORAGE

We recommend you to put the stock inside for preserving packaging.



# ALUMINA BALLS 70% GIAIETTO HMC

## DESCRIPTION CODE

H: high density | M: medium quality | C: compression technology

## DESCRIPTION PRODUCT

Alumina balls product by sintering of  $Al_2O_3$  and other metal oxide.

## PHYSICAL CHARACTERISTICS

CONTENT $Al_2O_3$	70% ± 1%
DENSITY ( $g/cm^3$ )	3,00 ± 0,1
HARDNESS (Moh's)	8,5 ± 0,1
COMPRESSION (MPa)	2000
COLOUR	Gray/pale brown

PRODUCTION TECHNOLOGY: COMPRESSION

PRODUCTION SIZE: 30 mm – 40 mm –  
45 mm – 50 mm – 63 mm – 70 mm

RANGE SIZE: ± 1 mm

## APPLICATION

	CERAMIC INDUSTRY	PAINT INDUSTRY	INSTALLERS	RAW MATERIALS PRODUCTION
Wet grinding	•	•	•	
Dry grinding	•	•	•	•

## PACKAGING

- Big bag 500/1000 kg inside wood boxes of 1000 kg.
- Sacks of 25 kg inside wood boxes of 1000 kg.

## STORAGE

We recommend you to put the stock inside for preserving packaging.

# ALUMINA COATING BRICK 92%

## DESCRIPTION PRODUCT

Alumina coating brick product by sintering of  $\text{Al}_2\text{O}_3$  and other metal oxide.

## PHYSICAL CHARACTERISTICS

CONTENT $\text{Al}_2\text{O}_3$	92% ± 1%
DENSITY ( $\text{g}/\text{cm}^3$ )	3,65 ± 0,05
HARDNESS (Moh's)	9,0 ± 0,05
COMPRESSION (MPa)	2000
COLOUR	White
SIZE (40mm-50mm-60mm 70mm-75mm)	

## APPLICATION

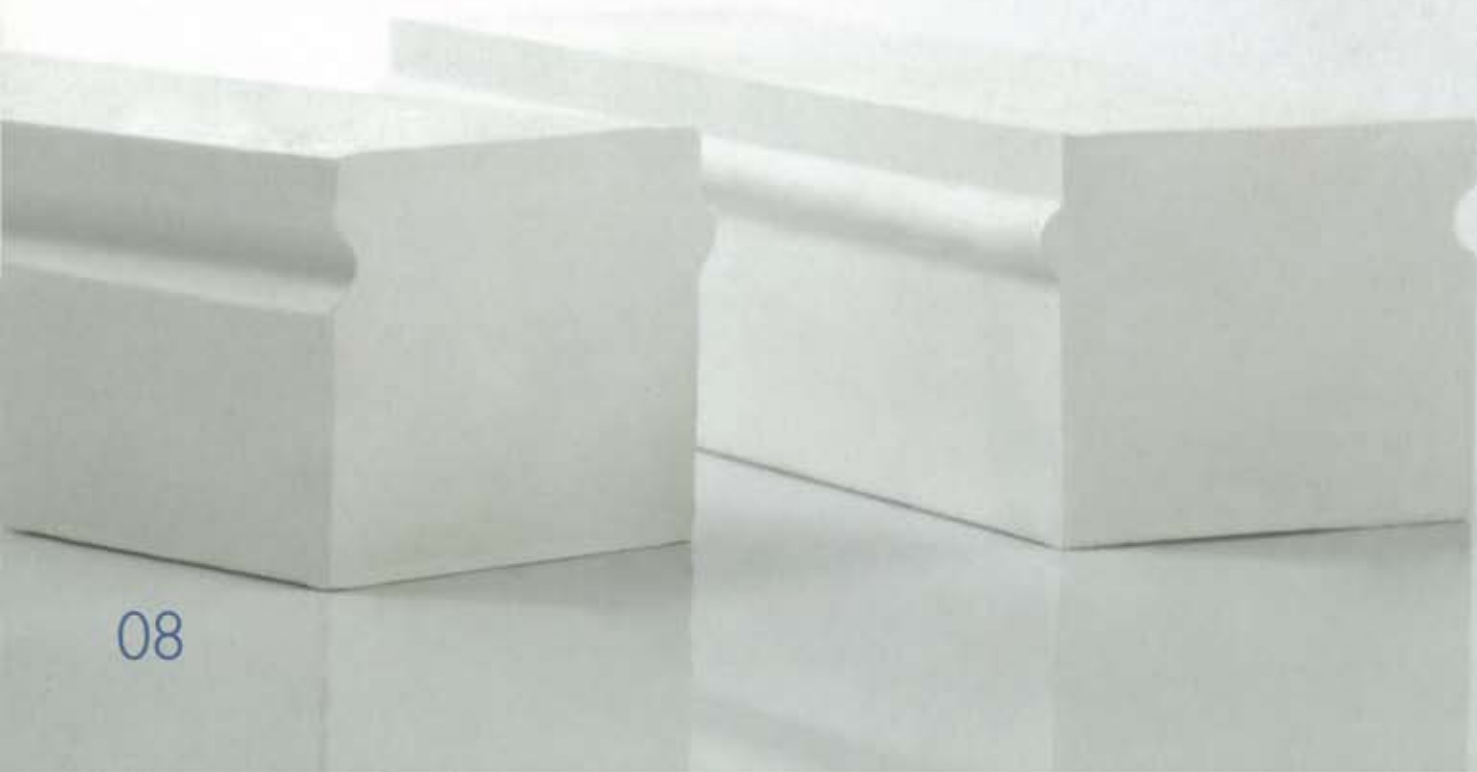
Suitable for discontinuous mills for grinding raw materials, mixes, glazes and coloring oxides.

## PACKAGING

Packs of **18** pieces.

## STORAGE

We recommend you to put the stock inside for preserving packaging.



# SILEX PEBBLES

## DESCRIPTION PRODUCT

River pebbles silica.

## PEBBLES

TYPE	ORIGIN	CONTENT SiO <sub>2</sub>	HARDNESS (Moh's)	APPARENT DENSITY (g/cm <sup>3</sup> )	COLOR	SIZES AVAILABLE (cm)
DUERO	Spain	97,7 %	8	2,60 ± 0,02	Pale brown	2/4 - 4/6 - 6/8 - 8/10 - 10/12 - 12/14

## APPLICATION

Recommended for continuous mills for grinding raw materials mixture.

## PACKAGING

- Big bag from 1200 kilograms on wooden pallets.
- Bulk truck full of 24 tons.

## STORAGE

We recommend you to put the stock inside for preserving packaging.





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