

Al₂O₃ 17~23% Inert Ceramic Balls

Chemshun Ceramics offer Al₂O₃ 15~22% ceramic balls as catalyst carrier

Product Description:

Chemshun Inert balls are to increase the distribution spots of gas or liquid , widely utilized as the covering or supporting materials of the catalyst in the reactors and the packing in the column in such varies areas as petroleum , chemical industry , chemical fertilizer, natural gas and support or protect the active catalyst , which especially have the comparatively lower mechanical strength.

Product characters:

- Stable chemical features and low water absorption
- High temperature and high pressure resistance
- Corrosion resistance of acid, alkali
- Thermal shock resistance during manufacturing process

Geometric properties

Diameter	Diameter (mm)	Crushing strength (kg/particle)
		17~23 %
1/8"	2-4	>18.4
1/4"	5-8	>56
3/8"	10-12	>102
1/2"	12-14	>173
3/4"	18-21	>430
1"	24-27	>635
1-1/4"	32-34	>910
1-1/2"	35-40	>910
2"	48-52	>910

Applicant

- | Co₂ degassing tower
- | Ozone contact reaction tower
- | Acid mist purification tower,
- | The synthetic reaction tower packing



1) Chemical Composition:

Items	17~23% Series
Al ₂ O ₃	17~23%
SiO ₂	<80%
Al ₂ O ₃ +SiO ₂	>90%
Fe ₂ O ₃	<1.0%
Na ₂ O+K ₂ O	<4%
MgO	<2.5%
CaO	<1.5%
TiO ₂	<0.5%
Leachable Fe ₂ O ₃	<0.1%

2) Physical properties:

Item	Content
	17~23 % Series
Heat resistance up to	Up to 982 °C
Water absorption	<0.9 %
Ignition loss	<0.3 %
Alkali resistance	> 6.5
Acid resistance	>85%
Bulk density (g/cm ³)	>99.8%
	1.36~1.40

Packing:

Chemshun Ceramics also recommends these other Catalyst Carrier:

[Al₂O₃ 15~22% Inert Ceramic Balls](#)

[7x7x4mm ceramic ring as benzene anhydride catalyst carrier](#)

[ceramic ring](#)

[Al₂O₃ 17~23% Inert Ceramic Balls](#)

