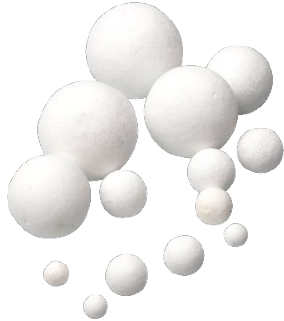


Rest-O-Cat® inert alumina balls

Catalyst bed support media



The Rest-O-Cat® 99 high alumina balls are used when, due to chemical composition, temperature resistance or mechanical strength, the standard high silica content spheres are not suitable. The main industries where the Rest-O-Cat® 99 is used are petrochemical and ammonia plants. The standard MTE specification can be used in most of these applications as mentioned below and provides the same benefits as the standard silica types.

Within the Rest-O-Cat® inert alumina range MTE developed the ultra-high purity alumina balls. For further information, please contact our sales department.

Applications

- » Ethylene cracking and drying Reforming
- » Polymerizations
- » Ammonia desulfurizers
- » Secondary reformers
- » Low and high temperature shifts
- » Methanators

Benefits

- ✓ Perfect spherical shape
- ✓ Excellent mechanical and physical properties
- ✓ Unique batch traceability system
- ✓ High availability and short delivery time

Listed below an overview of the sizes on stock and specifications, sizes not mentioned in the tables are available on request. The mixture of clay can be adjusted to special requirements or demands in case of need.

Rest-O-Cat® inert alumina balls

Catalyst bed support media

Rest-O-Cat® 99 high alumina balls

The Rest-O-Cat® 99 high alumina balls have an content of 99.3% alumina. Mainly used in typical applications where the standard silica based ceramic spheres are not suitable due to chemical resistance, temperature resistance or mechanical strength.

Specifications

Dimensions		Weight	Min. crushing strength	
<i>Inch</i>	<i>mm</i>	<i>kg/m³</i>	<i>kg</i>	<i>n</i>
1/8"	2 – 4	2.000 – 2.200	90	900
1/4"	5 – 7	2.000 – 2.200	205	2.000
3/8"	9 – 11	2.000 – 2.200	410	4.000
1/2"	11 – 14	2.000 – 2.200	700	6.900
5/8"	14 – 17	2.000 – 2.200	700	6.900
3/4"	18 – 21	2.000 – 2.200	1.000	9.800
1"	23 – 27	2.000 – 2.200	1.200	11.800
1 1/4"	30 – 34	2.000 – 2.100	1.200	11.800
1 1/2"	35 – 40	2.000 – 2.100	1.500	14.700
2"	48 – 56	1.900 – 2.000	2.000	14.700

Rest-O-Cat® 99.7 ULS

MTE is able to produce ultra-high purity alumina balls with reduce impurities. The standard Rest-O-Cat® 99 already have a low silica content , but the Rest-O- Cat® 99.7 ULS types have even further increased rates of alumina (99.7 %) making the product suitable for high temperature and steam applications where leached silica or sodium can influence the process conditions, like coating downstream equipment and poison catalyst beds. This makes the high alumina spheres suitable for chemical resistance, temperature resistance or mechanical strength, where standard silica based ceramics are not.

Rest-O-Cat[®] inert alumina balls

Catalyst bed support media

Specifications

Dimensions		Weight	Min. crushing strength	
<i>Inch</i>	<i>mm</i>	<i>kg/m³</i>	<i>kg</i>	<i>n</i>
3/16"	4 – 5	1.900 – 2.100	220	2.160
1/4"	5 – 7	1.900 – 2.100	240	2.350
3/8"	9 – 11	1.900 – 2.100	410	4.000
1/2"	11 – 13	1.900 – 2.100	700	6.900
3/4"	18 – 21	1.900 – 2.100	1.000	9.8000
1"	23 – 27	1.900 – 2.100	1.200	11.800
1 1/2"	35 – 40	1.850 – 1.900	1.500	14.700
2"	48 – 56	1.800 – 1.850	2.000	19.600

For additional technical data, support or special requests, please contact our sales department