

Rest-O-Cat® inert ceramic balls

Catalyst bed support media



The Rest-O-Cat® inert ceramic balls have become a standard in the refinery and petrochemical industry due to their excellent quality and wide versatility. The standard Rest-O-Cat® 55 quality can be widely used in most chemical and petrochemical applications as mentioned below, but for severe operating conditions or special mechanical requirements, MTE developed higher grades of inert support balls. MTE products are also widely used amongst other fertilizer, natural gas and industrial gas production plants.

Applications

- » Hydrotreating, hydrocracking and hydrogenation
- » Reforming
- » Isomerization
- » Claus reactors
- » Gas dryers and air purifiers

Benefits

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

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.

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Rest-O-Cat® 55 inert ceramic balls

The MTE Rest-O-Cat® 55 inert ceramic balls are a standard in the market for catalyst bed support balls and broadly used for many refinery and petrochemical processes. Due to MTE's unique quality assurance system and optimized production methods, a high standard quality base can be guaranteed.

Specifications

Dimensions		Weight	Min. crushing strength	
<i>inch</i>	<i>mm</i>	<i>kg/m³</i>	<i>kg</i>	<i>N</i>
1/16"	1 – 2	1.400	10	98
1/8"	2 – 4	1.400	30	290
1/4"	5 – 7	1.400	80	780
3/8"	9 – 11	1.400	100	980
1/2"	11 – 13	1.400	220	2.160
5/8"	14 – 17	1.400	250	2.450
3/4"	18 – 21	1.400	600	5.880
1"	23 – 27	1.400	750	7.350
1 1/4"	30 – 34	1.350	1.000	9.800
1 1/2"	35 – 40	1.300	1.000	9.800
2"	48 – 56	1.300	1.000	9.800

Rest-O-Cat® 70 inert ceramic balls

MTE has developed the inert sphere Rest-O-Cat 70® as well. This inert ceramic ball is able to withstand higher mechanical forces compared to the standard Rest-O-Cat 55® inerts. An additional strength is achieved by increasing the alumina content of the inert ball and increasing curing temperature to gain more mechanical resistance.

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1"	23 – 27	1.400	750	7.350
1 1/4"	30 – 34	1.350	1.000	9.800
1 1/2"	35 – 40	1.300	1.000	9.800
2"	48 – 56	1.300	1.000	9.800

Rest-O-Cat® 80 inert ceramic balls

MTE has developed an inert ceramic ball according to Gost 473.5-81.

The alumina content is different in comparison with our standard ceramic balls.

Rest-O-Cat 80® – according to Gost 473.5-81 – has a higher resistance against thermal shock.

Specifications

Dimensions		Weight	Min. crushing strength	
<i>inch</i>	<i>mm</i>	<i>kg/m³</i>	<i>kg</i>	<i>N</i>
1 1/2"	36 – 40	1.380	2.500	24.520
2"	2 – 4	1.350	3.000	29.520

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