

## Inert alumina lumps

### Catalyst bed support media



White fused alumina lumps are low in silica and iron oxides. They are often used as top grading and bed support media in many gas synthesis, secondary and autothermal reformers and special licensed applications where irregular, asymmetrical shapes of pure fused alumina are preferred.

The irregular shape of the chunks creates a swirling gas flow with difficult flow paths to increase gas distribution, trap particulates and hence slows down pressure drop built-up in the bed. The lumps have a high stability at increased temperatures with a very low impurity capacity.

MTE supplies irregular shaped and regular shaped like cylindrical lumps, depending on your wishes or applications.

#### Applications

- » Synthesis gas plants
- » Secondary reformers
- » Autothermal reformers (ATR)

#### Benefits

- ✓ Irregular or regular shapes
- ✓ Excellent mechanical and physical properties
- ✓ Unique batch traceability system
- ✓ Tailor made special shapes

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Specifications irregular lumps

Size distribution	Bulk density	Cold crush strength
<i>mm</i>	<i>kg/m<sup>3</sup></i>	<i>kg/cm<sup>2</sup></i>
25 – 50	1750	> 500
50 – 100	1700	> 500
100 – 200	1650	> 500

Other sizes are available on request. The mixture of clay or properties can be adjusted to special requirements or demands in case of need.

For additional information, support or (special) requests, please contact our sales department.