

SHAPED CARRIERS

Alumina
shaped carriers

Sasol Chemicals



SASOL



SHAPED CARRIERS

Most modern, highly selective catalytic processes require materials with tailored porosity and well-defined surface properties, therefore, the choice of the most suitable support material is the first crucial step in the preparation of advanced heterogeneous catalysts.

The individual properties of Sasol Alumina powders, such as level of purity, porosity, surface area and dopants are preserved during the shaping processes. Sasol Alumina shaped carriers are available as extrudates, spheres and tablets in various sizes and shapes. In addition individual parameters can be modified at customer's request.

Standard qualities of spheres



	Unit	Spheres 1.0 / 160	Spheres 1.8 / 210	Spheres 2.5 / 210
Diameter / distribution	[mm]	1.0 / monomodal	1.8 / monomodal	2.5 / monomodal
Crush strength	[N]	min. 45	min. 50	min. 65
Packed bulk density	[g/l]	740 – 820	540 – 580	500 – 600
Surface area	[m ² /g]	150 – 170	200 – 220	200 – 220
Pore volume	[ml/g]	min. 0.45	min. 0.75	min. 0.75

Additional qualities are available on request

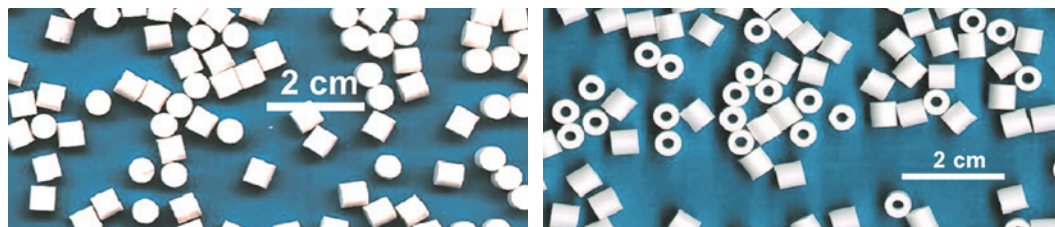
Standard qualities of extrudates



	Unit	Extrudates	Trilobes	Hollow extrudates
Al ₂ O ₃	[%]	min. 95	min. 97	min. 97
Outer diameter	[mm]	1.5	1.5	4.5
Inner diameter	[mm]	–	–	1.5
Mean length	[mm]	2 – 7	2 – 7	6 – 11
Crush strength	[N]	min. 70	min. 70	min. 25
Loose bulk density	[g/l]	500 – 800	500 – 800	400 – 500
Surface area	[m ² /g]	140 – 190	150 – 200	180 – 210
Pore volume	[ml/g]	min. 0.4	min. 0.4	min. 0.7

Additional qualities are available on request

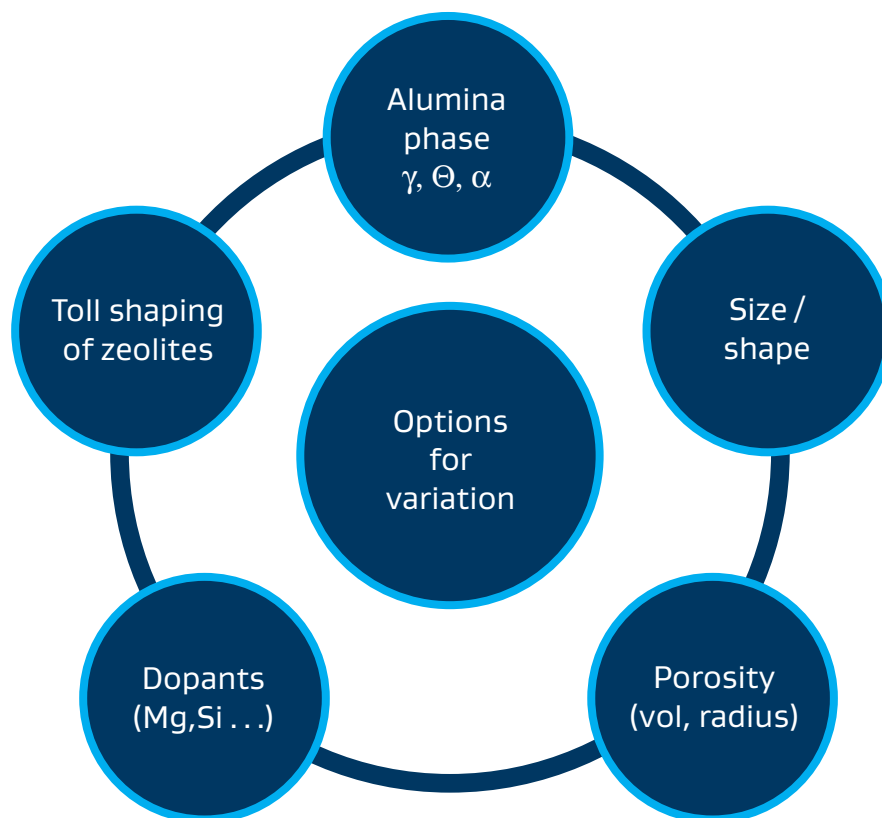
Standard qualities of tablets



	Unit	Tablets 5 x 5	Tablets 5 x 5 x 2.2
Al ₂ O ₃	[%]	min. 90	min. 90
Outer diameter	[mm]	5.0	5.0
Inner diameter	[mm]	-	2.2
Length	[mm]	5.0	5.0
Crush strength	[N]	min. 100	min. 20
Loose bulk density	[g/l]	650 – 850	500 – 700
Surface area	[m ² /g]	min. 160	min. 160
Pore volume	[ml/g]	min. 0.4	min. 0.4

Additional qualities are available on request

Alumina shaped carriers



At your service



Sasol Chemicals Advanced Materials

Anckelmannsplatz 1, 20537 Hamburg, Germany
Telephone + 49 40 63684 1245
inorganics@de.sasol.com

www.sasolalumina.com

www.sasol.com

Source reference

All pictures Sasol Germany GmbH

Sasol is a registered trademark of Sasol Ltd. Product trademarks displayed in this document are the property of the Sasol Group of companies, except where it is clear from the context that not. Users of this document are not permitted to use these trademarks without the prior written consent of their proprietor. All rights not expressly granted are reserved. Reference to trademarks used by other companies is neither a recommendation, nor should it give the impression that products of other companies cannot be used.

Disclaimer: The information contained in this document is based on Sasol's knowledge and experience at the time of its creation. We reserve the right to make any changes to this document or the products described therein, as a result of technological progress or developments. This information implies no liability or other legal responsibility on our part, including with regard to existing third-party patent rights. In particular, no guarantee or warranty of properties in the legal sense is implied. The customer is not exempted from the obligation to conduct careful inspection and testing of incoming products. All our business transactions are governed exclusively by our General Business Terms http://www.sasolnorthamerica.com/Images/Interior/scna_terms__conditions.pdf