

Silica Alumina



www.moleculartek.com
moleculartek@gmail.com

Description

SM-HSA is composed mostly of SiO_2 , but also uses Al_2O_3 to give this adsorbent advantageous properties that are not offered by standard silica gels. This silica product is able to be exposed to saturated process streams without beads cracking or popping from heavy moisture.

7
8
9

Specifications

Silica Alumina		
SM-HSA		
Bead Size Options		1-3mm, 2-4mm, 2-5mm, 3-5mm
Property	Unit	Beads
SiO ₂ Content	%	approx. 97
Al ₂ O ₃ Content	%	approx. 3
Surface Area	m ² /g	approx. 700
Adsorption Capacity RH=10% 77°F	wt%	≥ 5.5
	wt%	≥ 19.5
	wt%	≥ 44.0
RH=40% 77°F		
RH=80% 77°F		
Bulk Density	lb/ft ³	approx. 43.7
Crush Strength	lbf	≥ 44.9
Pore Volume	cc/g	approx. 0.5
Surface Area	m ² /g	approx. 700
Moisture Content	wt%	≤ 3.0
Military Grade	yes/no	no

Industries Used

Air Dryer

Natural Gas Conditioning

Storage

As an adsorbent, this product should not be left exposed to open air to prevent water from being adsorbed before its intended use. This product should be stored in dry conditions with air-proof packaging.