

HYAA300

Standard Activated Alumina



Description

HYAA300 is commonly used to adsorb gases and liquids and can be used as a catalyst. Standard activated alumina is frequently used as a filter to remove contaminants from various feed streams, such as fluorine removal from drinking water. Activated alumina can also be used as a catalyst for applications such as sulfur removal in the Claus Process.

Specifications

Activated Alumina			
HYAA300		Beads	
Property	Unit	1/16 Inch	
Size Distribution <1.0	mm	≥1.0	
Size Distribution >2.0	mm	≥1.0	
Static H ₂ O Adsorption RH 60% = 25°C (77°F)	wt%	≥15.0	
Surface Area	m ² /g	≥290	
Pore Volume	cc/g	≥0.35	
Bulk Density	g/mL (lb/ft ³)	0.80 ±0.03 (49.8 ± 2.0)	
Crush Strength	N (lbm*ft/s ²)	≥20 (≥4.5)	
LOI 300°C - 1,000°C (570°F - 1,835°F)	wt%	≤8.0	
Loss on Ignition 0°C - 300°C (32°F - 570°F)	wt%	≤4.0	
Packaging	Beads	1,000kg (2,204.6lb) / Super Sack	25kg (55.1lb) / Bag

Industries Used

natural gas dehydration petroleum gas dehydration refrigerant drying
biofuel production oil refining insulated glass
dehydration of unsaturated hydrocarbons streams (cracked gas, acetylene, ethylene, propylene, butadiene)
adsorption of NH₃ and H₂O from N₂/H₂ streams
polar liquid drying (ethanol and methanol)
plastic, paint, sealant, glue

Storage

As an adsorbent, activated alumina should not be left exposed to open air and should be stored in dry conditions with air-proof packaging.

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