

# WATERYD A

## FOR NATURAL GAS DEHYDRATION

### DESCRIPTION

*WaterYd A* is manufactured to remove water from saturated natural gas streams. Water must be removed before natural gas can be processed and this alumina can offer the bulk dehydration capabilities required to minimize the presence of water. This activated alumina is often used in combination with molecular sieve and can function as a guard layer.

- used to dehydrate saturated natural gas streams
- allows natural gas to be further processed and cryogenically separated
- typically used in combination with molecular sieve
- offers advantageous adsorption capacity for water

### CHEMICAL FORMULA

$(Al_2O_3) \times aH_2O$

### SPECIFICATIONS

Activated Alumina				
WaterYd A		Beads		
Property	Unit	1/8 Inch	3/16 Mesh	1/4 Inch
Particle Size	mm	2.36 - 4.0	4.0 - 6.0	5.0 - 7.0
Qualified Size Ratio	%	≥90	≥90	≥90
Surface Area	m <sup>2</sup> /g	≥300	≥300	≥300
Pore Volume	cc/g	≥0.40	≥0.40	≥0.40
Bulk Density	g/mL (lb/ft <sup>3</sup> )	0.74 ±0.03 (46.2 ±2)	0.72 ±0.03 (45.0 ±2)	0.73 ±0.03 (45.6 ±2)
Crush Strength	N (lbm*ft/s <sup>2</sup> )	≥134 (≥30.0)	≥160 (≥36.0)	≥200 (45.0)
Water Adsorption Capacity	wt%	RH75%: ≥22.0 RH60%: ≥17.0	≥17.0	≥17.0
Loss On Ignition 300°C-1,000°C (570°F-1,835°F)	wt%	≤8.0	≤8.0	≤8.0
0°C-300°C (32°F-570°F)	wt%	≤2.0	≤2.0	≤2.0
Attrition	wt%	≤0.4	≤0.4	≤0.4
Packaging Options	1,000kg (2,204.6lb) / Super Sack; 150kg (330.7lb) / Drum; 25kg (55.1lb) / Bag			

### INDUSTRIES USED

natural gas dehydration

natural gas liquids dehydration

### 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.

## CONNECT WITH US...

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