



XR-101 Activated Alumina for Desiccant

XR101 activated alumina desiccant is a highly porous product that can absorb both gases and liquids without changing form or disintegrating. Another common use is for the removal of fluorides from water. Activated Alumina is typically regenerated when used in PSA or heat regenerated drying systems. Widely used in general industry, petrochemical & breweries for the dehydration of compressed air and gases.

XR101 activated alumina is typically used for the adsorption of water vapour from air and gas streams. Commonly used in compressed air drying systems.

* Various size available for the international condition.

2-3mm, 1/8", 3/16", 1/4", 3-5mm, 4-6mm, 5-7mm, 6-8mm, 8-10mm, available as your requirement.

Characteristics:

- -100° F dew points obtainable
- Ideal for both heatless and heat regenerated systems
- Low regeneration temperature 250° F to 500° F

XR101 activated alumina has excellent wear resistance, little dust in compressed air.

- High pore volume and high adsorption

With large surface area, XR101 activated alumina balls adsorb higher amount of water and fast desorption during regeneration. Its life is longer, and it has a remarkable capacity to regenerate.

Item	Unit	Technical requirement			
Particle size	mm	3-5	4-6	5-8	8-10
AL ₂ O ₃	%	≥93.8	≥93.8	≥93.8	≥93.8
SiO ₂	%	≤0.10	≤0.10	≤0.10	≤0.10
Fe ₂ O ₃	%	≤0.04	≤0.04	≤0.04	≤0.04
Na ₂ O	%	≤0.40	≤0.40	≤0.40	≤0.40
Attrition Loss	%	≤0.08	≤0.08	≤0.08	≤0.08
Bulk density	g/ml	≥0.75	≥0.75	≥0.75	≥0.75
Surface area	m ² /g	≥345	≥345	≥345	≥345
Pore Volume	ml/g	0.5	0.5	0.5	0.5
Water absorption	%	≥55	≥55	≥55	≥55
Crushing Strength (N/Particle)	N/particle	≥180	≥200	≥260	≥350

For more information please do not hesitate to contact us: