



DELTA ADSORBENTS

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[Home](#) » [Product Lines](#) » Activated Alumina Desiccant

Activated Alumina Desiccant



Activated Alumina

Activated alumina is a very porous form of aluminum oxide of high surface area which adsorbs liquids and gases without any change in form. Activated alumina will not soften or disintegrate when immersed in liquids. Activated alumina may be regenerated to its original adsorption efficiency by heating to a temperature between 350-600°F (177-316°C).

Desiccant

Activated alumina as a desiccant, will work by adsorption. The water in the air will stick to the alumina as the air passes through it. The water molecules become trapped so that the air is dried out as it passes through the filter. This process of regenerating the alumina is achieved when the activated alumina desiccant is heated, it will let go of all of the water stored in it, allowing it to be used over and over.

Air and Gas Drying

Nearly all gases and liquids can be dried with F-200. Water removal is often necessary for efficient processing, storage and transportation of fluids. The 3/16" size is normally recommended for vapor phase dehydration applications where pressure drop minimization yet high H₂O adsorptive capacity is desired. The 1/8" and 7 x 14 Tyler mesh sizes are recommended for use in liquid dehydration and other mass transfer limited adsorption applications. BASF F-200 activated alumina is rapidly becoming the industry standard for drying compressed air. Providing long service life with performance at or below dew point specifications, F-200 is a 'peace of mind' product for both large and small dryers. BASF F-200 is appropriate for use in dehydrating gases in both thermally regenerative (350 to 600°F) and pressure swing (PSA) modes.

[F-200 Spec Sheet](#)

[DD-6 Spec Sheet](#)

Compare	Product Name	Part Number	Weight	Diameter (Inch)	Diameter (MM)	Typical Crush	Typical Crush	Typical Surface	Price
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Filter: Diameter (Inch) Diameter (MM) Typical Crush Strength (lbs) Typical Crush Strength (kgs)
 Typical Surface Area (m3/g)

						Strength (lbs)	Strength (kgs)	Area (m3/g)	
<input type="checkbox"/>	Activated Alumina F-200	AA14	50.00	1/4	6.4	70	32	325 m3/g	\$69.00
<input type="checkbox"/>	Activated Alumina F-200	AA316	50.00	3/16	4.8	55	25	340 m3/g	\$69.00
<input type="checkbox"/>	Activated Alumina F-200	AA48	50.00	1/8	3.2	30	14	355 m3/g	\$69.00
<input type="checkbox"/>	Activated Alumina F-200	AA1425	25.00	1/4	6.4	70	32	325 m3/g	\$44.75
<input type="checkbox"/>	Activated Alumina F-200	AA1410	10.00	1/4	6.4	70	32	325 m3/g	\$29.99
<input type="checkbox"/>	Activated Alumina F-200	AA1405	5.00	1/4	6.4	70	32	325 m3/g	\$22.00
<input type="checkbox"/>	Activated Alumina F-200	AA31625	25.00	3/16	4.8	55	25	340 m3/g	\$44.75
<input type="checkbox"/>	Activated Alumina F-200	AA31610	10.00	3/16	4.8	55	25	340 m3/g	\$29.99
<input type="checkbox"/>	Activated Alumina F-200	AA31605	5.00	3/16	4.8	55	25	340 m3/g	\$22.00
<input type="checkbox"/>	Activated Alumina F-200	AA4825	25.00	1/8	3.2	30	14	355 m3/g	\$44.75
<input type="checkbox"/>	Activated Alumina F-200	AA4810	10.00	1/8	3.2	30	14	355 m3/g	\$29.99
<input type="checkbox"/>	Activated Alumina F-200	AA4805	5.00	1/8	3.2	30	14	355 m3/g	\$22.00

Displaying 1 to 12 (of 12 products)

Result Pages: 1

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