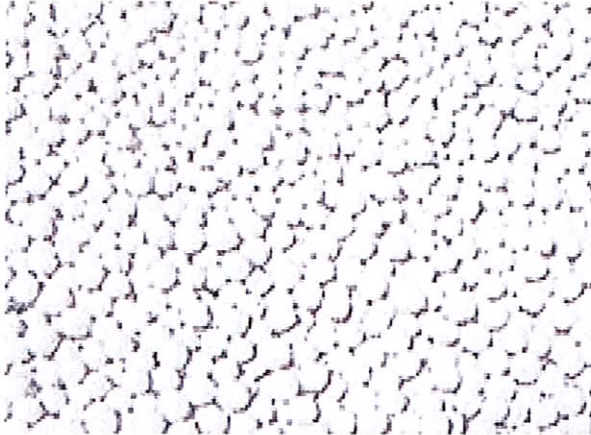


# Activated Alumina



Use as a desiccant, it works by a process called adsorption. The water in the air actually sticks to the alumina itself in between the tiny passages, as the air passes through them. The water molecules become trapped so that the air is dried out as it passes through the filter. This process is reversible, and if the alumina desiccant is heated to about 200°C it will release all of the water stored in it. This process is called regenerating the desiccant. Air always has some water in it; one way to measure the amount of water in the air is the air's dew point. At CFM Air Equipment we carry Activated Alumina in both 1/8" and 1/4" bead sizes.

## Typical Activated Alumina Properties

<b>PART NUMBER</b>	<b>M6-AA-100-1/8</b>	<b>M6-AA-100-1/4</b>
<i>BEAD SIZE</i>	1/8" (3.2 mm)	1/4" (6.4 mm)
<i>COLOUR</i>	White	White
<i>SURFACE AREA</i>	355m <sup>2</sup> /gram	325m <sup>2</sup> /gram
<i>PORE VOLUME</i>	0.05cc / gram	0.05cc / gram
<i>BULK DENSITY</i>	48lbs /ft <sup>3</sup> (769 kg/m <sup>3</sup> )	48lbs /ft <sup>3</sup> (769 kg/m <sup>3</sup> )
<i>CRUSH STRENGTH</i>	30 lbs (14 kg)	70 lbs (32 kg)
<i>ABRASION LOSS</i>	0.1 % weight	0.1 % weight