



## ADVANCED SWIMMING POOL FILTRATION MEDIA

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### SPECIFICATION

#### PRODUCT DESCRIPTION

**ZELBRITE** is a natural alumino silicate material that has been processed to provide superior water filtration performance.

In addition to being an active media that can capture contaminants such as ammonium, Zelbrite has large external and internal surface areas to provide superlative filtration.

#### PROPERTIES

<b>Particle size</b>	=	0.5-2mm
<b>Solid density</b>	=	2.2-2.3 g/cc (2200-2300 kg/m <sup>3</sup> )
<b>Filtration media bulk density</b>	=	1.15 g/cc (1150 kg/m <sup>3</sup> )
<b>Hardness</b>	=	7 Mohs
<b>Wet Attrition Test (Mercer &amp; Ames)</b>	=	0.98
<b>External surface area</b>	=	20-25 m <sup>2</sup> /g
<b>Cation exchange</b>	=	119 m.eq / 100g
<b>Ammonium ion exchange</b>	=	104 m.eq/100g
<b>Molecular channel size</b>	=	7.9 x 3.5 angstroms 4.4 x 3.0 angstroms