

## Technical Data Sheet

Application: For drying a wide variety of gases and liquids, where high dynamic water adsorption capacity is mandatory.

Demonstrates exceptional cyclic stability in Thermal Swing Adsorption (TSA) applications as it minimizes hydrothermal ageing while meeting low dew point specifications. It also exhibits long term performance in Pressure Swing Adsorption (PSA) applications on account of its very good mechanical properties.

Available in 1.5 – 3mm for liquid phase applications to maximize diffusion.

Item Description	
Edmac reference	<b>3004675680</b>

Typical Specifications	
High purity Alumina beads	
Diameter	1.5 -3 mm
Alumina (Al <sub>2</sub> O <sub>3</sub> )	93.5 min. wt%
Sodium oxide (Na <sub>2</sub> O)	3200 wt ppm
Loss on ignition (300-1000°C)	5 wt%
Surface area	320 m <sup>2</sup> /g
Total pore volume	43 cm <sup>3</sup> /100g
Sock loading density	800 kg/m <sup>3</sup>
Dense loading density	880 kg/m <sup>3</sup>
Particle crushing strength	12 daN
Attrition resistance (AIF method)	99.3 wt%
Statistic adsorption (at 60% RH)	21.0 wt%

*These indicative properties do not represent process capabilities nor specifications*

Shipping Informations	
Packaging	1500 l. big bags. Net 1000kg (2205lbs)

If you require any further information, please contact your Edmac salesperson or [sales.edmac@edmac.eu](mailto:sales.edmac@edmac.eu) .