mSORB® 5A
MOLECULAR SIEVE BEADS, TYPE 5A

PRODUCT DESCRIPTION
mSORB 5A molecular sieve is an alkali metal alumino-silicate in the spherical form. It is the calcium form of the type A crystal structure with an effective pore opening of 5Å. Molecules with effective diameters greater than 5Å, such as, iso-compounds and all 4-carbon rings will not be adsorbed. Adsorbed molecules include NC₄H₁₀, nC₄H₁₀, C₃H₈ to C₂₂H₄₆, and Freon 12 (dichlorodifluoro-methane).

<table>
<thead>
<tr>
<th>TYPICAL PROPERTIES</th>
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<tbody>
<tr>
<td>PRODUCT CODE</td>
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<tr>
<td>Nominal Pore Opening (Å)</td>
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<tr>
<td>Shape</td>
</tr>
<tr>
<td>Particle Size (Mesh)</td>
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<tr>
<td>Equilibrium Water Capacity @ 25°C (wt%)</td>
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<tr>
<td>Heat of Adsorption (BTU/lb of H₂O)</td>
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<tr>
<td>Bulk Density (g/ml)</td>
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<tr>
<td>Bulk Density (lb/ft³)</td>
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<tr>
<td>Crush Strength (lb)</td>
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<tr>
<td>Crush Strength (N)</td>
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<tr>
<td>Size Qualification (%)</td>
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<tr>
<td>Package Moisture (wt%)</td>
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TYPICAL APPLICATIONS
Using selective adsorption to remove normal and iso-paraffins from branched chain and cyclic hydrocarbons, natural gas drying, removal of H₂S, CO₂ and mercaptans from natural gas, inert gas purification, H₂ purification, PSA oxygen purification, solvent drying, and separation of aromatics.

PACKAGING INFORMATION
Available in 55 lb (25 kg) drums, 330 lb (150 kg) drums, and super-sacks filled to order specification.

HANDLING & STORAGE RECOMMENDATIONS
Store in a dry location to prevent unintentional water adsorption. Reseal packages after opening to prevent contamination and unintended water adsorption. We recommend that you rotate stock so oldest material is used first.