ECH CLOSED CELL SPONGE
(Epichlorohydrin)

Applications
Auburn ECH Closed Cell Expanded Rubber is ideal in applications where Acrylic, Neoprene and Nitrile sponge or expanded rubber are being used, especially at their maximum temperature limit. The temperature range of AUBURN ECH is -30°F to +300°F with intermittent use up to +350°F. This also allows it to replace Silicone Sponge in applications between +225°F and +300°F. However, information should be obtained from Auburn for specific design conditions.

High Performance Characteristics
Auburn ECH has excellent resistance to ozone and to swell from contact with alcohols, halogenated solvents, hydrocarbons and miscellaneous solvents*. It is recommended for gasket, seal and vibration dampening applications within the temperature range noted above.

GENERAL PHYSICAL CHARACTERISTICS OF ECH SPONGE
Meets an ASTM-D-1056 Classification
Available in 36" x 42" sheets, in thicknesses of .062" thru 1.00"

<table>
<thead>
<tr>
<th>Stock Number</th>
<th>A-71-E</th>
<th>A-72-E</th>
<th>A-73-E</th>
<th>A-75-E</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Black</td>
<td>Black</td>
<td>Black</td>
<td>Black</td>
</tr>
<tr>
<td>Compression Deflection, PSI</td>
<td>2-5</td>
<td>5-9</td>
<td>9-13</td>
<td>17-24</td>
</tr>
<tr>
<td>Tensile Strength (Min. PSI)</td>
<td>65</td>
<td>70</td>
<td>125</td>
<td>250</td>
</tr>
<tr>
<td>Density (PCF)</td>
<td>10-20</td>
<td>12-25</td>
<td>15-30</td>
<td>20-35</td>
</tr>
<tr>
<td>Elongation, Ultimate (Min. %)</td>
<td>250</td>
<td>250</td>
<td>250</td>
<td>250</td>
</tr>
<tr>
<td>Compression Set - 1/2&quot; Sample Compressed 50% for 22 Hrs. @ 70°F &amp; 24 Hrs. Recovery.</td>
<td>20</td>
<td>20</td>
<td>20</td>
<td>20</td>
</tr>
<tr>
<td>Burn Rate (MVSS-302, in./min.) Thickness Tested (in.)</td>
<td>1.50</td>
<td>1.30</td>
<td>0.60</td>
<td>0.37</td>
</tr>
<tr>
<td>Heat Aging (7 Days @ 155°F Lineal Shrinkage Max.)</td>
<td>.275</td>
<td>.320</td>
<td>.470</td>
<td>.455</td>
</tr>
</tbody>
</table>

Auburn ECH is also available with a high tack acrylic based pressure sensitive adhesive.
* See reverse side for compatibility with various solvents and conditions.
ENVIRONMENTAL PROPERTIES

Weather and Sunlight Aging                           Good
Oxidation                                             Good
Ozone Resistance                                      Good
Water                                                 Good
Steam                                                 Fair

GENERAL RESISTANCE

Alkali Resistance (Dilute)                            Good
Alkali Resistance (Concentrated)                      Use with Caution
Acid Resistance (Dilute)                              Good
Acid Resistance (Concentrated)                        Fair
Ketones, Oxygenated Solvents                          Fair
Chlorinated Hydrocarbons                              Excellent
Aliphatic Hydrocarbons                                Good to Excellent
Aromatic Hydrocarbons                                 Good to Excellent
LP Gases, Fuel Oils                                   Excellent
Alcohols                                              Fair to Good
Brake Fluid (Non-petroleum Base)                      Use with Caution
Animal and Vegetable Oils                             Excellent
Hydraulic Fluids                                      
  Petroleum Base                                       Excellent
  Water/Glycol                                          Good
  Silicate Ester                                       Good
  Phosphate Ester                                     Not Recommended

PLEASE NOTE: The above is general data. Specific information concerning applications should be requested from your Auburn customer service representative.