SYNFOAM® SW Low Density Syntactic Foam

Product Description:

SynFoam SW is a pressure resistant syntactic foam designed to provide buoyancy for underwater depths up 1,000 meters. SynFoam SW is a closed cell foam that is easy to machine and will provide a smooth surface after sanding. SynFoam SW is ideal for underwater robotics, vehicles, flotation, pumps and as a core material.

Product Benefits:

- Underwater Buoyancy to 1,000 meters
- Easy to machine
- Compatible with epoxy and polyurethane paints
- Excellent mechanical properties
- Toughness and impact resistance
- UV resistance
- Water resistance
- Oil, fuel and grease resistance
- Solvent resistance
- Dimensionally stable

Availability:

SynFoam SW is available in a standard size of 6” x 12” x 24”. SynFoam can also produce custom sizes, both smaller and larger. We are also capable of provided finished modules made with SynFoam SW that include fiberglass coatings and/or protective coatings. Please contact us for more information on custom fabrication services.

Typical Properties:

<table>
<thead>
<tr>
<th>Property</th>
<th>Units</th>
<th>SW-6</th>
<th>SW-9</th>
<th>SW-12</th>
<th>SW-15</th>
<th>SW-18</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density</td>
<td>PCF(± 1)</td>
<td>5</td>
<td>9</td>
<td>12</td>
<td>15</td>
<td>18</td>
</tr>
<tr>
<td>Depth Rating</td>
<td>feet</td>
<td>165</td>
<td>325</td>
<td>500</td>
<td>650</td>
<td>1,650</td>
</tr>
<tr>
<td>Depth Rating</td>
<td>meters</td>
<td>50</td>
<td>100</td>
<td>150</td>
<td>200</td>
<td>500</td>
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<tr>
<td>Service Pressure</td>
<td>psi</td>
<td>75</td>
<td>145</td>
<td>225</td>
<td>290</td>
<td>735</td>
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<tr>
<td>Compressive Strength</td>
<td>psi</td>
<td>110</td>
<td>300</td>
<td>520</td>
<td>710</td>
<td>930</td>
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</tbody>
</table>

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