Jagolit 11A
Heat Shield Filler Material

Description

Jagolit 11A is a medium density, highly inorganic material with good heat and flame resistance, and low thermal conductivity. It is intended for use as a general purpose insulating filler material in 3-part heat shield construction, and can withstand a maximum temperature of 400°C. It is available in 0.5 to 1.5 mm gauges, and also 2.0 mm gauge as a laminated product.

Specification Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density, g/cc(lb/cu.ft)</td>
<td>0.85 - 1.05 (53 - 66)</td>
<td>ASTM F 1315</td>
</tr>
<tr>
<td>Compressibility, % (at 6.9MPa)</td>
<td>15 (min.)</td>
<td>ASTM F 36</td>
</tr>
<tr>
<td>Recovery, %</td>
<td>20 (min.)</td>
<td>ASTM F 36</td>
</tr>
<tr>
<td>Tensile Strength, AMD, MPa(psi)</td>
<td>1.5 (220) (min.)</td>
<td>ASTM F 152</td>
</tr>
<tr>
<td>Weight Loss on Ignition, % (at 600°C)</td>
<td>15 - 20</td>
<td>ASTM F 495</td>
</tr>
<tr>
<td>Thermal Conductivity, W/m.K</td>
<td>0.14 (Typical Value)</td>
<td>ASTM F 433</td>
</tr>
<tr>
<td>Flame Resistance</td>
<td>SB0 (Typical Value)</td>
<td>SAE J 369</td>
</tr>
</tbody>
</table>

Remarks and Related Documents

Specification values determined by the test methods required for ASTM F-104, Type 3 materials. Items denoted (Typical Value) are provided for design purposes, but are not tested on a statistical basis.

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