AE-MDB Advanced European Mobile Deformable Barrier for Side Impact Crashworthiness Evaluation

Description

One of several certified honeycomb barriers, the Plascore AE-MDB European Side Impact Barrier is used for full-scale crash testing in the automotive safety field. The performance is intended to provide a measurement tool with sufficient precision to ensure repetitive and correlative results to reflect the protective performance of a motor vehicle with respect to occupants.

Construction

- **Section A-F Core**: 19mm cell 3003 alloy
- **Bumper Core**: 6.35mm cell 3003 alloy
- **Base Plate**: 3.0mm 5251 H22 or 5052 H32 perforated
- **Face Plates**: 0.5mm 5754 H111
- **Bumper Plate**: 3.0mm 5251 H22

Crush Properties (Static)

<table>
<thead>
<tr>
<th>Section</th>
<th>Displacement (mm)</th>
<th>Displacement (mm)</th>
<th>Displacement (mm)</th>
<th>Displacement (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Section A &amp; C</td>
<td>20</td>
<td>18</td>
<td>41.5</td>
<td>51.5</td>
</tr>
<tr>
<td>Section B</td>
<td>16</td>
<td>14</td>
<td>32.5</td>
<td></td>
</tr>
<tr>
<td>Section D &amp; F</td>
<td>18</td>
<td>41.5</td>
<td>100</td>
<td></td>
</tr>
<tr>
<td>Section E</td>
<td>20</td>
<td>100</td>
<td>240</td>
<td>430</td>
</tr>
</tbody>
</table>

Specifications

- **Euro-NCAP AE-MDB v1.0**

Availability

Plascore Item #38588
Available from distribution locations worldwide.
Includes Certificate of Conformance and Test Data.
Paint: Grey or Blue anti-reflective paint standard. Custom paint configurations available.
Packaging: Individual cardboard container 1825mm X 625mm X 650mm
Packaged Weight: 33kg

Plascore, Inc., employs a quality management system that is Nadcap, AS9100, ISO 9001 and ISO 14001 certified.

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