Avery AD238 Inlay

DETAILS
- General Purpose inlay
- Applications: Case / Item tracking

TECHNICAL INFORMATION
- Chip: NXP UCODE 8
  - EPC memory: 128 bit
  - User memory: N/A
  - TID: 96 bit factory locked (48 bit unique)
  - Read Sensitivity: -23dBm
  - Write Sensitivity: -18dBm
  - EPC Gen2v2
- High sensitivity chip with read ranges up to 16m

RADIATION PATTERN*

THEORETICAL** READ RANGES ON VARIOUS SURFACES (m)

<table>
<thead>
<tr>
<th>Material</th>
<th>ETSI (865-868 MHz)</th>
<th>FCC (902-928 MHz)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air</td>
<td>11</td>
<td>15</td>
</tr>
<tr>
<td>Cardboard</td>
<td>13</td>
<td>11</td>
</tr>
<tr>
<td>Fiberglass</td>
<td>14</td>
<td>12</td>
</tr>
<tr>
<td>Glass</td>
<td>7</td>
<td>2</td>
</tr>
<tr>
<td>PTFE</td>
<td>16</td>
<td>13</td>
</tr>
<tr>
<td>Polyacetyl</td>
<td>11</td>
<td>14</td>
</tr>
<tr>
<td>PVC</td>
<td>12</td>
<td>16</td>
</tr>
<tr>
<td>Rubber</td>
<td>14</td>
<td>5</td>
</tr>
</tbody>
</table>

* Read range drops to 12% of maximum when inlay is perpendicular (90° and 270°) to the reading antenna.

**Theoretical read range data is meant to be directional. Actual performance will depend on your application and environment. Testing is recommended.

All inlays certified by Zebra have been pre-tested with Zebra printers and readers. For more information on Auburn’s ARC specifications, testing, and the certification process, please go to rfid.auburn.edu.

For more information, visit [www.zebra.com/supplies](http://www.zebra.com/supplies)

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