Composite Resin Systems

Wet Lay-Up Process

<table>
<thead>
<tr>
<th>Product Designation</th>
<th>Pot Life</th>
<th>Mix Readiness</th>
<th>Glass Transition Temperature</th>
<th>Flexural Strength</th>
<th>Ultimate Flexural Strength</th>
<th>Key Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>Araldite® LY 3505 / Accelerator 1573 / XB 3403</td>
<td>*</td>
<td>N/A</td>
<td>200 - 300</td>
<td>75.0 - 85.0</td>
<td>20.0 - 30.0</td>
<td>7.0 - 12.0</td>
</tr>
<tr>
<td>Araldite® LY 1568 / Aradur® 3492</td>
<td>*</td>
<td>N/A</td>
<td>290 - 340</td>
<td>200 - 320</td>
<td>176 - 185</td>
<td>17.1 - 18.8</td>
</tr>
<tr>
<td>Araldite® LY 1556 / Aradur® 3487</td>
<td>*</td>
<td>N/A</td>
<td>40 - 50</td>
<td>1500 - 1800</td>
<td>197 - 208</td>
<td>18.8 - 21.0</td>
</tr>
</tbody>
</table>

Infusion Process

<table>
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Prepreg Process

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<th>Flexural Strength</th>
<th>Ultimate Flexural Strength</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Araldite® LY 3505 / Accelerator 1573 / XB 3403</td>
<td>26 - 36</td>
<td>1000 - 1200</td>
<td>95 - 115</td>
<td>600 - 900</td>
<td>289 - 302</td>
<td>18.8 - 21.8</td>
</tr>
<tr>
<td>Araldite® LY 1568 / Aradur® 3492</td>
<td>24 hrs at 23°C</td>
<td>&gt; 6 weeks</td>
<td>26 - 36</td>
<td>1000 - 1200</td>
<td>189 - 197</td>
<td>19.6 - 22.5</td>
</tr>
</tbody>
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For More Information

www.huntsman.com/in/advanced-materials

Advanced Materials

Renewable Energy Efficiency

Tooling, Composites, Adhesives and Repair Solutions

Wind Selector Guide
Wind Market

As a global partner and innovator working in collaboration with all major wind energy equipment manufacturers, Huntsman Advanced Materials has all the right technologies and high-performance products the industry requires.

Our products are used in applications ranging from plugs and patterns, to complete composite turbine production as well as assembly and repair. Our range includes standard products as well as custom-made solutions formulated to answer specific project requirements.

Huntsman Advanced Materials

Huntsman Advanced Materials is a leading global supplier of synthetic and formulated polymer systems for customers requiring high-performance materials which outperform the properties, functionality and durability of traditional materials. Over 2,300 associates at 13 locations worldwide work to fulfill this promise every day.

We enjoy a long heritage of pioneering technological excellence and offer a unique and wide range of innovative solutions.

**Faster Assembly and Repair**

For 100 gr Blade Assembly

mission and distribution, general industry, aerospace, wind power generation, automotive and sports equipment. We serve markets including coatings, construction, electronics, adhesives and inks, medical, marine, power transmission and distribution, general industry, aerospace, wind power generation, automotive and sports equipment.

**Product Description Repair Mix Ratio (pbv) Pot Life (100gr, 23°C) (min.)**

- **Araldite® AW 4856 / Arathane® 3304 IS**
  - Pot Life: 3 - 7
  - Pot Life: 1hr, ambient cure
  - Recommended: 2900 - 3190
  - Recommended: 149 - 176
  - Typical Cure Time: 0.12" - 0.2" (3 - 5)
  - Fast-setting, tough adhesive for rapid fixing and filling of cracks in carbon fiber reinforced composites.

- **Araldite® LY 1564 / XB 3458**
  - Pot Life: 100 - 120***
  - Recommended: 136 - 151 (58 - 66)
  - Recommended: 129 - 138 (54 - 59)
  - Typical Cure Time: 0.12" - 0.2" (3 - 5)
  - High temperature application

- **Araldite® LY 3297 / Arathane® 3427 PO**
  - Pot Life: 85 - 100
  - Recommended: 210 - 221 (99 - 105)
  - Recommended: 198 - 208 (92 - 98)
  - Typical Cure Time: 0.12" - 0.2" (3 - 5)
  - High temperature application

- **Araldite® 2022**
  - Pot Life: 70 - 75
  - Recommended: 217 - 225 (99 - 105)
  - Recommended: 210 - 217 (96 - 97)
  - Typical Cure Time: 0.12" - 0.2" (3 - 5)
  - Fast-setting, tough adhesive for rapid fixing and filling of cracks in carbon fiber reinforced composites.

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  - Pot Life: 85 - 100
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  - Recommended: 198 - 208 (92 - 98)
  - Typical Cure Time: 0.12" - 0.2" (3 - 5)
  - High temperature application

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  - Pot Life: 70 - 75
  - Recommended: 217 - 225 (99 - 105)
  - Recommended: 210 - 217 (96 - 97)
  - Typical Cure Time: 0.12" - 0**4**6 (3 - 5)
  - Fast-setting, tough adhesive for rapid fixing and filling of cracks in carbon fiber reinforced composites.

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  - Pot Life: 70 - 75
  - Recommended: 217 - 225 (99 - 105)
  - Recommended: 210 - 217 (96 - 97)
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