Adhesive Film

Fulfilling composite materials within the United States doesn’t stop there. We can send materials internationally through our Europe and China locations. **Five yard minimum order requirements.** For these reasons, we offer full or partial rolls directly from the manufacturer can take months for delivery with large the excess would have to be thrown away. In addition, purchasing material facilities, a full roll of materials would not be used in this time-frame and full or partial rolls.

**Five yard minimum order**

If a situation arises where an aircraft is grounded for repair, our AOG priority delivery service allows materials to ship the same day at the quantity you need to meet the repair demands. AOG orders must be received by 11am (PST) in order to allow sufficient processing time for same-day shipment. International AOG shipments are subject to space availability on the next flight out. Additional fees may apply.

**Aircraft on Ground (AoG) Priority delivery**

In addition to offering a wide range of material types, we provide the service you need that best fits your environment or job.

**Material Services**

In addition to offering a wide range of material types, we provide the service you need that best fits your environment or job. All materials are inspected and arrive with the appropriate quality assurance paperwork.

**AIRCRAFT ON GROUND (AOG) PRIORITY DELIVERY**

If a situation arises where an aircraft is grounded for repair, our AOG priority service allows materials to ship the same day at the quantity you need to meet the repair demands. AOG orders must be received by 11am (PST) in order to allow sufficient processing time for same-day shipment. International AOG shipments are subject to space availability on the next flight out. Additional fees may apply.

**FULL OR PARTIAL ROLLS**

Frozen repair materials typically have a 6-15 month shelf-life. For many facilities, a full roll of materials would not be used in this time-frame and the excess would have to be thrown away. In addition, purchasing material directly from the manufacturer can take months for delivery with large minimum order requirements. For these reasons, we offer full or partial rolls.

**GLOBAL FULFILLMENT**

Fulfilling composite materials within the United States doesn’t stop there. We can send materials internationally through our Europe and China locations.

**MATERIAL RECERTIFICATION**

We offer material certification testing for our Boeing Material Specification (BMS) materials. This testing will often allow material to be recertified for a time equal to the original shelf life. Tests reports are issued directly to Boeing.

**PREMIUM PACKAGING**

To ensure frozen material remains at the manufacturer recommended temperatures and specifications, our custom packaging prevents heat penetration or mishandling damage. This service includes an insulated box with dry ice that holds an inner box where the material is suspended. Trip recorders are added to record material out-time while in transit.

**PRE-ASSEMBLED KITS**

We offer kits for vacuum bagging, repair plies, and wet lay-up resins. Our kits are conveniently assembled to easily apply toward temporary or permanent repair of composite structures. Estimated coverage is nine repairs of 10in (25.4cm) in diameter.

**MATERIAL SERVICES**

<table>
<thead>
<tr>
<th>Part number</th>
<th>Manufacturer</th>
<th>Roll Size</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HCS2404-010</td>
<td>3M (AF 183-2K)</td>
<td>36in x 50yds</td>
<td>200psi/h (2.24kglh)</td>
</tr>
<tr>
<td>HCS2404-030</td>
<td>3M (AF 183-2K)</td>
<td>36in x 50yds</td>
<td>200psi/h (2.24kglh)</td>
</tr>
<tr>
<td>HCS2404-040</td>
<td>Cytec (FM-123-5)</td>
<td>36in x 50yds</td>
<td>200psi/h (2.24kglh)</td>
</tr>
<tr>
<td>HCS2404-050</td>
<td>Cytec (FM-123-5)</td>
<td>36in x 50yds</td>
<td>200psi/h (2.24kglh)</td>
</tr>
<tr>
<td>HCS2404-060</td>
<td>Cytec (FM-123-5)</td>
<td>36in x 50yds</td>
<td>200psi/h (2.24kglh)</td>
</tr>
<tr>
<td>HCS2404-100</td>
<td>3M (AF 183-2K)</td>
<td>36in x 50yds</td>
<td>200psi/h (2.24kglh)</td>
</tr>
<tr>
<td>HCS2404-190</td>
<td>3M (AF 183-2K)</td>
<td>36in x 50yds</td>
<td>200psi/h (2.24kglh)</td>
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<tr>
<td>HCS2404-207</td>
<td>3M (AF 183-2K)</td>
<td>36in x 50yds</td>
<td>200psi/h (2.24kglh)</td>
</tr>
<tr>
<td>HCS2404-208</td>
<td>Cytec (FM-123-2K)</td>
<td>36in x 50yds</td>
<td>200psi/h (2.24kglh)</td>
</tr>
<tr>
<td>HCS2404-218</td>
<td>Cytec (FM-123-2K)</td>
<td>36in x 50yds</td>
<td>200psi/h (2.24kglh)</td>
</tr>
<tr>
<td>HCS2404-219</td>
<td>Cytec (FM-123-2K)</td>
<td>36in x 50yds</td>
<td>200psi/h (2.24kglh)</td>
</tr>
<tr>
<td>HCS2404-087</td>
<td>3M (AF 183-2K)</td>
<td>36in x 50yds</td>
<td>200psi/h (2.24kglh)</td>
</tr>
</tbody>
</table>
For over 35 years, HEATCON Composite Systems has developed equipment that our customers rely on for composite repairs. We also stock composite materials used for repair applications. Below are the most common composite materials requested by our customers that we have in stock. For additional materials, please reference our full catalog or contact us.

### TYPES OF COMPOSITE MATERIALS WE OFFER:
- Adhesives
- Preparing
- Pre-Formed Core
- Resin Kits
- Process Materials
- Dry Fabric
- Fillers

## Fiber Glass and Kevlar™ Prepreg

### Fiberglass

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Manufacturer (Mfr Part #)</th>
<th>Specification</th>
<th>Type/Class</th>
<th>Style/Form</th>
<th>Nominal Cured Thickness</th>
<th>Roll Size¹</th>
<th>Cure Temp</th>
</tr>
</thead>
<tbody>
<tr>
<td>HCS2401-015</td>
<td>HEXCEL (F155-79)</td>
<td>BMS8-79</td>
<td>N/A III</td>
<td>Style 120</td>
<td>0.047t in (1.21 mm)</td>
<td>38 in x 100 yds (96.52 cm x 30.48 m)</td>
<td>250°F (121°C)</td>
</tr>
<tr>
<td>HCS2401-025</td>
<td>HEXCEL (F155-5)</td>
<td>BMS8-79</td>
<td>N/A III</td>
<td>Style 1581</td>
<td>0.0095 in (0.2413 mm)</td>
<td>38 in x 65 yds (96.52 cm x 58.44 m)</td>
<td>250°F (121°C)</td>
</tr>
<tr>
<td>HCS2401-035</td>
<td>HEXCEL (F155-5)</td>
<td>BMS8-79</td>
<td>N/A III</td>
<td>Style 7781</td>
<td>0.0095 in (0.2413 mm)</td>
<td>38 in x 65 yds (96.52 cm x 58.44 m)</td>
<td>250°F (121°C)</td>
</tr>
<tr>
<td>HCS2401-045</td>
<td>HEXCEL (F161-168)</td>
<td>BMS8-139</td>
<td>N/A</td>
<td>Style 120</td>
<td>0.0045 in (0.1143 mm)</td>
<td>38 in x 100 yds (96.52 cm x 30.48 m)</td>
<td>350°F (177°C)</td>
</tr>
<tr>
<td>HCS2401-055</td>
<td>HEXCEL (F161-168)</td>
<td>BMS8-139</td>
<td>N/A I</td>
<td>Style 1581</td>
<td>0.0095 in (0.2413 mm)</td>
<td>38 in x 65 yds (96.52 cm x 58.44 m)</td>
<td>250°F (121°C)</td>
</tr>
<tr>
<td>HCS2401-060</td>
<td>CYTEC (M7050-771)</td>
<td>BMS8-154</td>
<td>I &amp; 2</td>
<td>Style 6581</td>
<td>0.0084 in (0.2133 mm)</td>
<td>38 in x 65 yds (96.52 cm x 58.44 m)</td>
<td>250°F (121°C)</td>
</tr>
<tr>
<td>HCS2401-075</td>
<td>HEXCEL (F161-168)</td>
<td>BMS8-340 &amp; AMS-3070</td>
<td>42</td>
<td>Style 1089 Form 1</td>
<td>0.0118 in (0.2953 mm)</td>
<td>38 in x 214 yds (96.52 cm x 190.58 m)</td>
<td>350°F (177°C)</td>
</tr>
</tbody>
</table>

### Kevlar

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Manufacturer (Mfr Part #)</th>
<th>Specification</th>
<th>Type/Class</th>
<th>Style/Form</th>
<th>Nominal Cured Thickness</th>
<th>Roll Size¹</th>
<th>Cure Temp</th>
</tr>
</thead>
<tbody>
<tr>
<td>HCS2403-015</td>
<td>HEXCEL (F155-77)</td>
<td>BMS8-219</td>
<td>Style 285</td>
<td>Style 285</td>
<td>0.010 in (0.254mm)</td>
<td>38 in x 65 yds (96.52 cm x 58.44 m)</td>
<td>250°F (121°C)</td>
</tr>
</tbody>
</table>

## Carbon Fiber Prepreg

### Carbon Fiber

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Manufacturer (Mfr Part #)</th>
<th>Specification</th>
<th>Type/Class</th>
<th>Grade/Form</th>
<th>Nominal Cured Thickness</th>
<th>Roll Size¹</th>
<th>Cure Temp</th>
</tr>
</thead>
<tbody>
<tr>
<td>HCS2402-015</td>
<td>HXCEL (F155-76)</td>
<td>BMS8-168</td>
<td>II &amp; III</td>
<td>Style 3K-70-PW</td>
<td>0.0086 in (0.2184 mm)</td>
<td>42 in x 75 yds (106.68 cm x 22.86 m)</td>
<td>250°F (121°C)</td>
</tr>
<tr>
<td>HCS2402-025</td>
<td>HXCEL (F308-8)</td>
<td>BMS8-212</td>
<td>IV</td>
<td>Style 3K-70-PW</td>
<td>0.0083 in (0.2109 mm)</td>
<td>42 in x 75 yds (106.68 cm x 22.86 m)</td>
<td>350°F (177°C)</td>
</tr>
<tr>
<td>HCS2402-035</td>
<td>HXCEL (F308-7)</td>
<td>BMS8-212</td>
<td>II</td>
<td>Style 3K-135-8H</td>
<td>0.0141 in (0.3581 mm)</td>
<td>42 in x 75 yds (106.68 cm x 22.86 m)</td>
<td>350°F (177°C)</td>
</tr>
<tr>
<td>HCS2402-040</td>
<td>CYTEC (CYCOM HDPE/RP T70 3K UT)</td>
<td>BMS8-256</td>
<td>IV</td>
<td>Style 3K-70-PW</td>
<td>0.0085 in (0.2159 mm)</td>
<td>42 in x 80 yds (106.68 cm x 73.15 m)</td>
<td>350°F (177°C)</td>
</tr>
<tr>
<td>HCS2402-050</td>
<td>CYTEC (CYCOM HDPE/RP T70 3K UT)</td>
<td>BMS8-297</td>
<td>II</td>
<td>Style 3K-70-PW</td>
<td>0.0083 in (0.2109 mm)</td>
<td>42 in x 60 yds (106.68 cm x 54.43 m)</td>
<td>350°F (177°C)</td>
</tr>
<tr>
<td>HCS2402-060</td>
<td>CYTEC (CYCOM HDPE/RP T70 3K UT)</td>
<td>BMS8-297</td>
<td>I</td>
<td>Style 3K-135-8H</td>
<td>0.0150 in (0.3810 mm)</td>
<td>42 in x 60 yds (106.68 cm x 54.43 m)</td>
<td>350°F (177°C)</td>
</tr>
<tr>
<td>HCS2402-070</td>
<td>CYTEC (CYCOM HDPE/RP T70 3K UT)</td>
<td>BMS8-297</td>
<td>III</td>
<td>Style 3K-135-8H</td>
<td>0.0150 in (0.3810 mm)</td>
<td>42 in x 60 yds (106.68 cm x 54.43 m)</td>
<td>350°F (177°C)</td>
</tr>
</tbody>
</table>

### Carbon Fiber

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Manufacturer (Mfr Part #)</th>
<th>Specification</th>
<th>Type/Class</th>
<th>Grade/Form</th>
<th>Nominal Cured Thickness</th>
<th>Roll Size¹</th>
<th>Cure Temp</th>
</tr>
</thead>
<tbody>
<tr>
<td>HCS2402-086</td>
<td>Toray (P2352W-19-1540)</td>
<td>BMS8-276</td>
<td>40</td>
<td>Style 12K-70-PW/ Form 4</td>
<td>0.084 in (2.13 mm)</td>
<td>30 in x 61 yds (76.2 cm x 185.3 m)</td>
<td>350°F (177°C)</td>
</tr>
<tr>
<td>HCS2402-090</td>
<td>Toray (P2352W-19-4814)</td>
<td>BMS8-276</td>
<td>40</td>
<td>Style 6K-70-PW/ Form 1</td>
<td>0.086 in (2.18 mm)</td>
<td>30 in x 61 yds (76.2 cm x 185.3 m)</td>
<td>350°F (177°C)</td>
</tr>
<tr>
<td>HCS2402-091</td>
<td>Toray (P2352W-19-4814)</td>
<td>BMS8-276</td>
<td>40</td>
<td>Style 6K-70-PW/ Form 1</td>
<td>0.086 in (2.18 mm)</td>
<td>30 in x 61 yds (76.2 cm x 185.3 m)</td>
<td>350°F (177°C)</td>
</tr>
<tr>
<td>HCS2402-092</td>
<td>Toray (P2352W-19-4814)</td>
<td>BMS8-276</td>
<td>40</td>
<td>Style 6K-70-PW/ Form 1</td>
<td>0.086 in (2.18 mm)</td>
<td>30 in x 61 yds (76.2 cm x 185.3 m)</td>
<td>350°F (177°C)</td>
</tr>
</tbody>
</table>

### Surface Pre-Treatment

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Manufacturer (Mfr Part #)</th>
<th>Specification</th>
<th>Type/Class</th>
<th>Grade/Form</th>
<th>Unit Size</th>
<th>Storage Temp</th>
</tr>
</thead>
<tbody>
<tr>
<td>HCS2407-320</td>
<td>3M (AC 150-12)</td>
<td>BMS10-128</td>
<td>1 A</td>
<td>Grade A</td>
<td>50ml</td>
<td>40°F to 100°F (4.4°C to 38°C)</td>
</tr>
<tr>
<td>HCS2407-321</td>
<td>3M (AC 150-12)</td>
<td>BMS5-162</td>
<td>N/A</td>
<td>N/A</td>
<td>Form 2S</td>
<td>40°F to 100°F (4.4°C to 38°C)</td>
</tr>
<tr>
<td>HCS2407-322</td>
<td>3M (AC 131 CB)</td>
<td>BMS10-128</td>
<td>1 A</td>
<td>Grade A</td>
<td>50ml</td>
<td>Room Temp</td>
</tr>
<tr>
<td>HCS2407-323</td>
<td>3M (AC 131 CB)</td>
<td>BMS10-128</td>
<td>1 A</td>
<td>Grade A</td>
<td>100ml</td>
<td>Room Temp</td>
</tr>
<tr>
<td>HCS2407-324</td>
<td>3M (AC 270 B-1)</td>
<td>BMS 5-142</td>
<td>2 B-1</td>
<td>Rev G</td>
<td>3.5oz</td>
<td>80°F (27°C)</td>
</tr>
</tbody>
</table>

### Notes:
- All quoted material subject to availability. Call for pricing and delivery. Other specifications available upon request.

¹ Roll yardages vary. Five yard minimum order. Other specifications available upon request.

For information call: USA / ASIA 1-206-575-1333 • UK +44(0)1480-410740 • CHINA 86-21-52359043

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