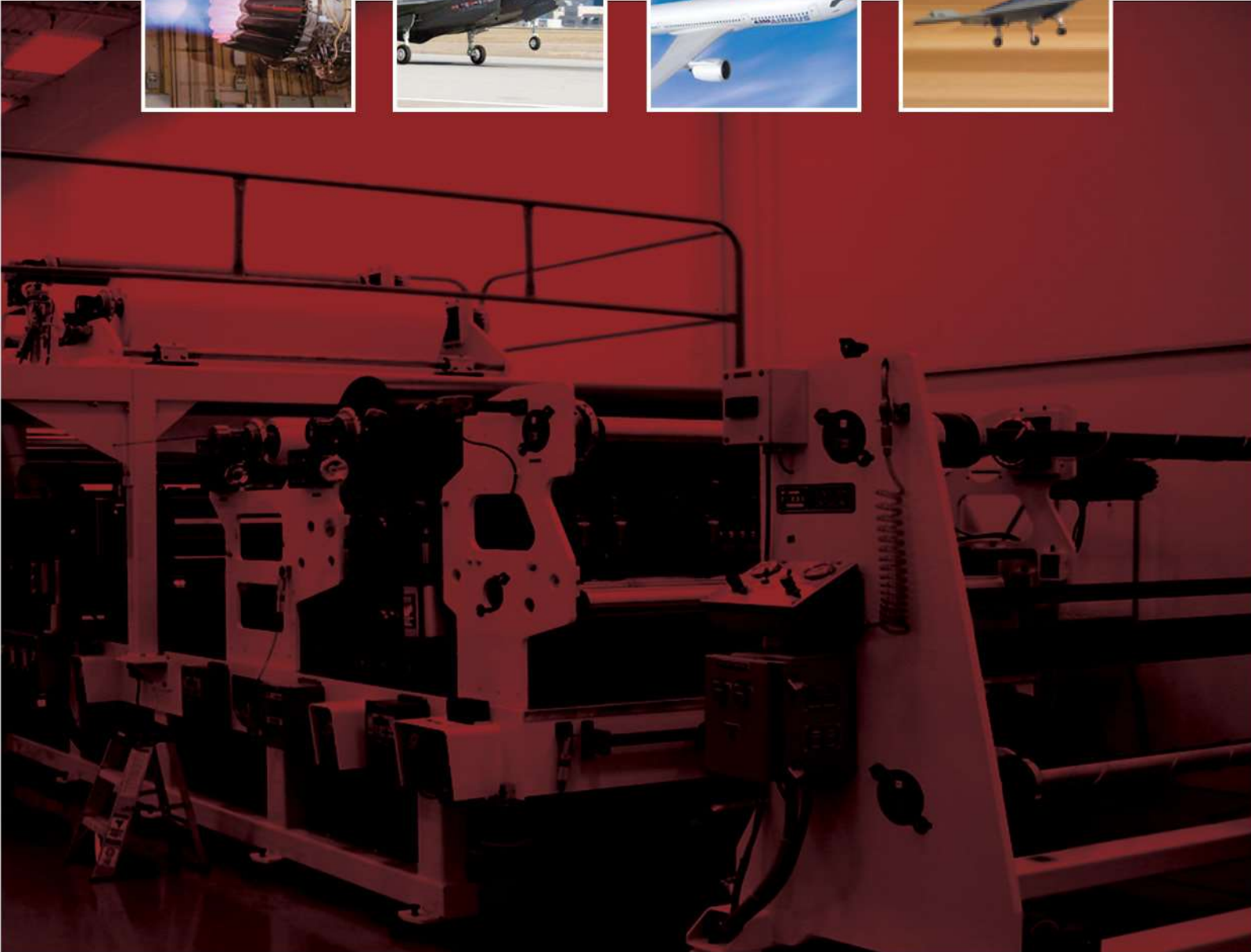


# RM-3007 BISMALIMIDE (BMI) PASTE ADHESIVE FILLER

FOR HIGH PERFORMANCE AEROSPACE APPLICATIONS





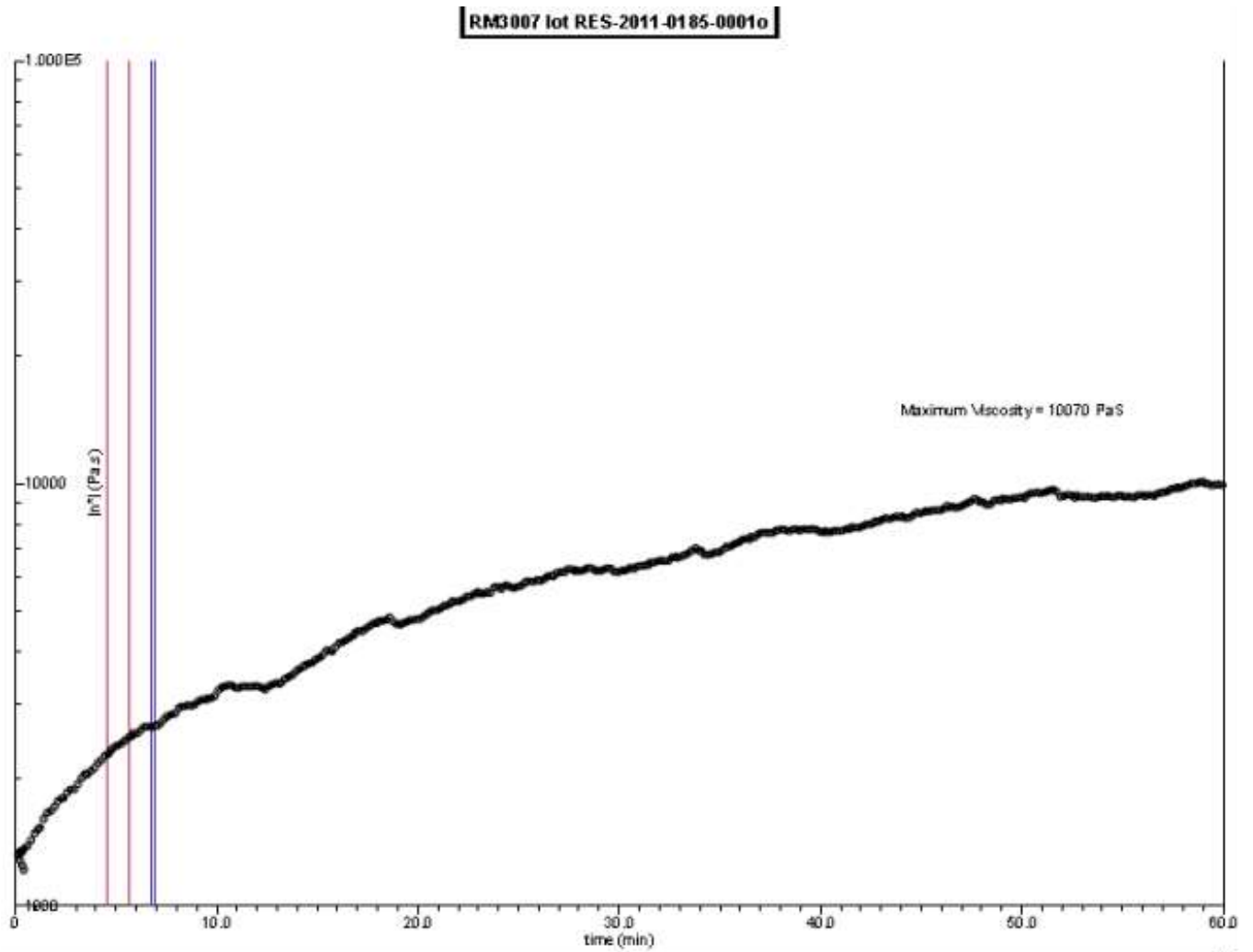
## RM-3007 Bismaleimide (BMI) Paste Adhesive Filler Product Information

Developed using state-of-the-art formulating technologies, RM-3007 BMI Paste Adhesive Hole Filler is a -65°F to 400°F (-54°C to 204°C) service material. RM-3007 is ideal for use as a liquid shim, for potting or for hard points in core applications. It was developed for use with Renegade Materials' BMI Prepregs and Infusion Resins as well as other industry standard BMI systems. Renegade Materials does not impose large set up charges for small quantities like many of our competitors and we stock key raw materials to support short lead times.

<b>RM-3007 Paste Adhesive Filler Properties</b>		
<b>Test</b>	<b>Test Condition</b>	<b>Value</b>
<b>Viscosity (poise) ASTM D 4440</b>	<b>250°F</b>	<b>100,000</b>
<b>Fiber Volume (% Wt.)</b>	<b>75°F Dry</b>	<b>32 nominal</b>
<b>Cured Density (g/cc) ASTM D 792</b>	<b>75°F Dry</b>	<b>1.35</b>
<b>Shore D Hardness ASTM D 2240</b>	<b>75°F Dry</b>	<b>91</b>
<b>Compression Strength (psi) ASTM D 695</b>	<b>75°F Dry</b>	<b>30,001</b>
	<b>350°F Dry</b>	<b>13,620</b>

“Seller makes no warranty regarding the accuracy of this information. Buyers should make their own evaluation to determine suitability of any product for their own intended purposes.”

## RM-3007 Isothermal Viscosity Curve at 250°F



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## RM-3007 Storage and Handling Information

RM-3007 Recommended Storage and Handling Information	
<b>Out-Time</b>	-Four (4) weeks accumulated at RT -Carefully reseal container prior to refreezing -Fully thaw prior to opening
<b>RT Storage</b>	-Not to exceed four (4) weeks
<b>Frozen Storage/ Shelf Life</b>	-One (1) year from date of shipment

## Renegade Recommended Cure Cycle for RM-3007

RM-3007 should be heated to about 150 – 160°F for 5 – 10 minutes and then used like a standard paste adhesive.

Renegade’s recommended cure process combines the cure and post cure cycle into one out of autoclave cure schedule. The cure shall be done freestanding using deadweight, clamps or a press.

**Step 1.** Heat the part to 375 ± 10°F at a rate of 1 to 5°F per minute. Limit the free air temperature to 390°F maximum.

**Step 2.** Hold the part at 375 ± 10°F for 360 ± 20 minutes. Begin hold when thermocouple reaches 365°F.

**Step 3.** Raise the temperature at a rate not to exceed 5°F per minute to 440 ± 15°F.

**Step 4.** Hold at 440 ± 15°F for 360 ± 20 minutes.

**Step 5.** Cool to 150°F or below at a rate not to exceed 5°F per minute.

**Please contact our technical process experts for information on alternate cure cycles to support your specific applications at 937-350-5274.**

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## About Renegade Materials

Renegade Materials Corporation is a global leader in manufacturing composite materials for high temp aerospace applications. We deliver light-weight, highly-engineered prepregs, adhesives and hybrid composite systems to enable maximum fuel efficiency in commercial and military aircraft structures.

To request pricing, request an MSDS or to get additional information on Renegade products, please call us at 937-350-5274 or visit our website at [www.renegadematerials.com](http://www.renegadematerials.com)



This document and any pricing provided on this product, are considered proprietary, confidential and competition-sensitive and are not to be disclosed to any third parties without express written consent of Renegade Materials.

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