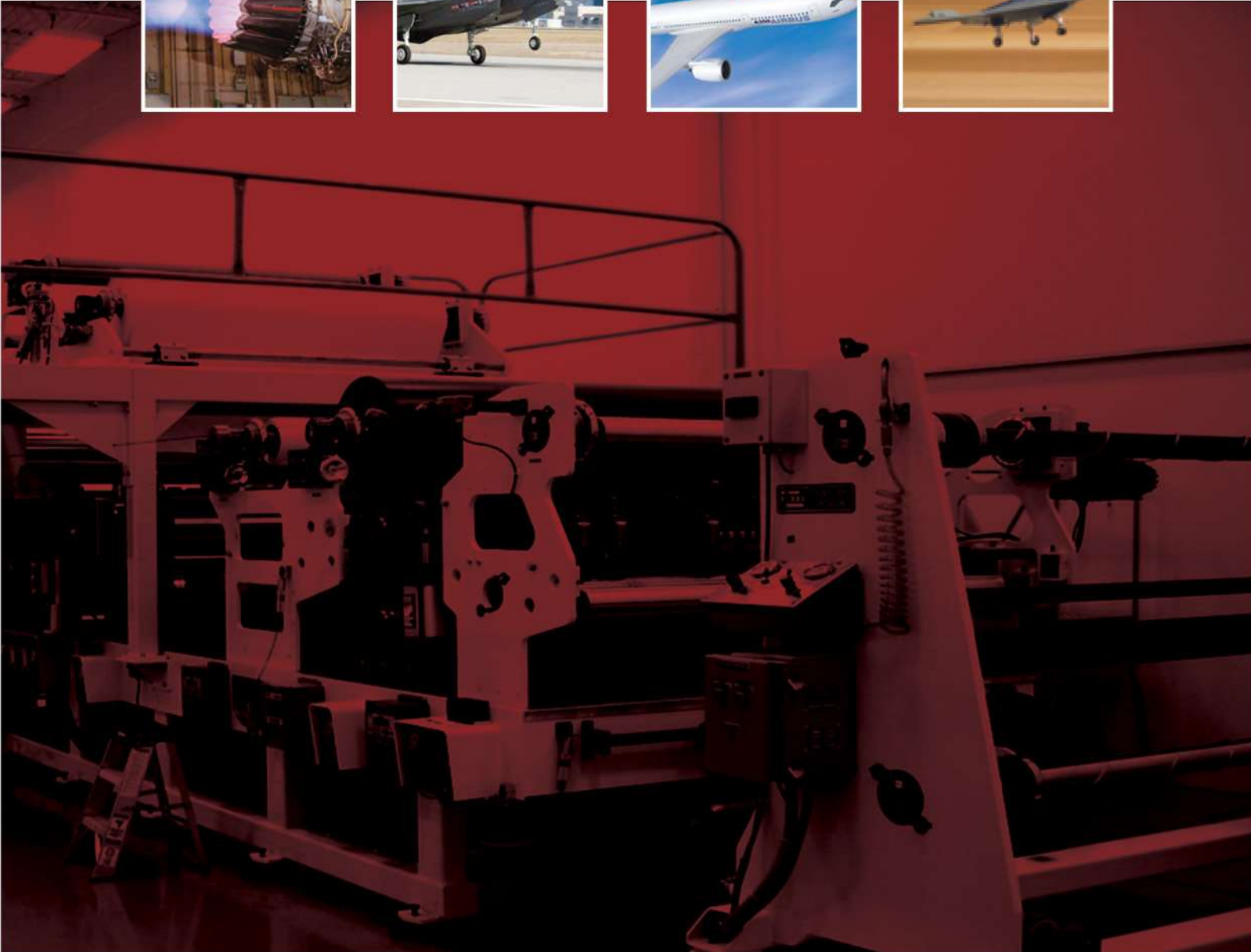


RM-3006 BISMALIMIDE (BMI) PASTE ADHESIVE

FOR HIGH PERFORMANCE AEROSPACE APPLICATIONS





RM-3006 Bismaleimide (BMI) Paste Adhesive Product Information

Developed using state-of-the-art formulating technologies, RM-3006 BMI Paste Adhesive is a -65°F to 400°F (-54°C to 204°C) service material. RM-3006 was developed for use as a Honeycomb close out and shim paste and is compatible with Renegade’s BMI Prepregs and Infusion Resins as well as other industry standard BMI systems and metals. Renegade does not impose large set up charges for small quantities like many of our competitors. Renegade stores key raw materials to support short lead times.

RM-3006 Paste Adhesive Physical Properties at Room Temperature		
Test	Test Method	Value
Cured Density	ASTM D 792	1.21 g/cc
Shore D Hardness	ASTM D 2240	89

RM-3006 Storage and Handling Information

RM-3006 Recommended Storage and Handling Information	
Out-Time	-Four (4) weeks accumulated at RT -Carefully reseal container prior to refreezing -Fully thaw prior to opening
RT Storage	-Not to exceed four (4) weeks
Frozen Storage/ Shelf Life	-One (1) year from date of shipment

“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-3006 Paste Adhesive Typical Mechanical Properties				
Test	UOM	Test Method	Condition	Value
Compression Strength	psi	ASTM D 695	RT Dry	23,000
Compression Strength	psi	ASTM D 695	350°F (177°C) Dry	11,100
Lap Shear Strength	psi	ASTM D 1002	RT Dry	1997
Lap Shear Strength	psi	ASTM D 1002	350°F Dry	885

Notes: Adhesive testing done on 2024-T3 aluminum (AMS 4037) cleaned by phosphoric acid anodizing (ASTM D 3933) and bonded within eight (8) hours.

Renegade Recommended Cure Cycle for RM-3006

RM-3006 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.

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About Renegade

Renegade Materials Corporation is a global leader in manufacturing composite materials for 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



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