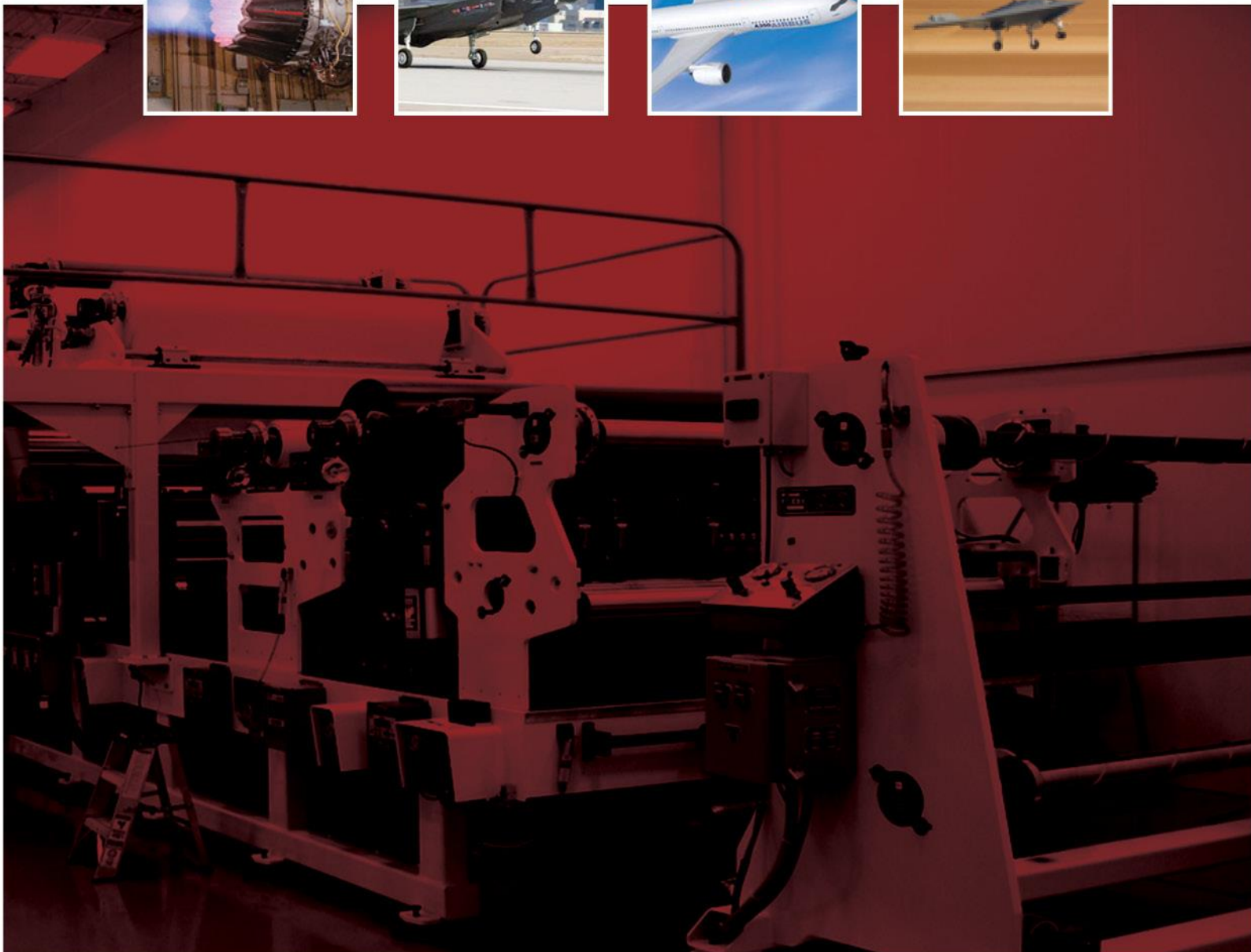


**RM-3010 Bismaleimide (BMI) Resin  
for  
Vacuum Assisted Resin Transfer Molding (VARTM)  
Processing  
Product Information**



## RM-3010 Bismaleimide (BMI) Resin

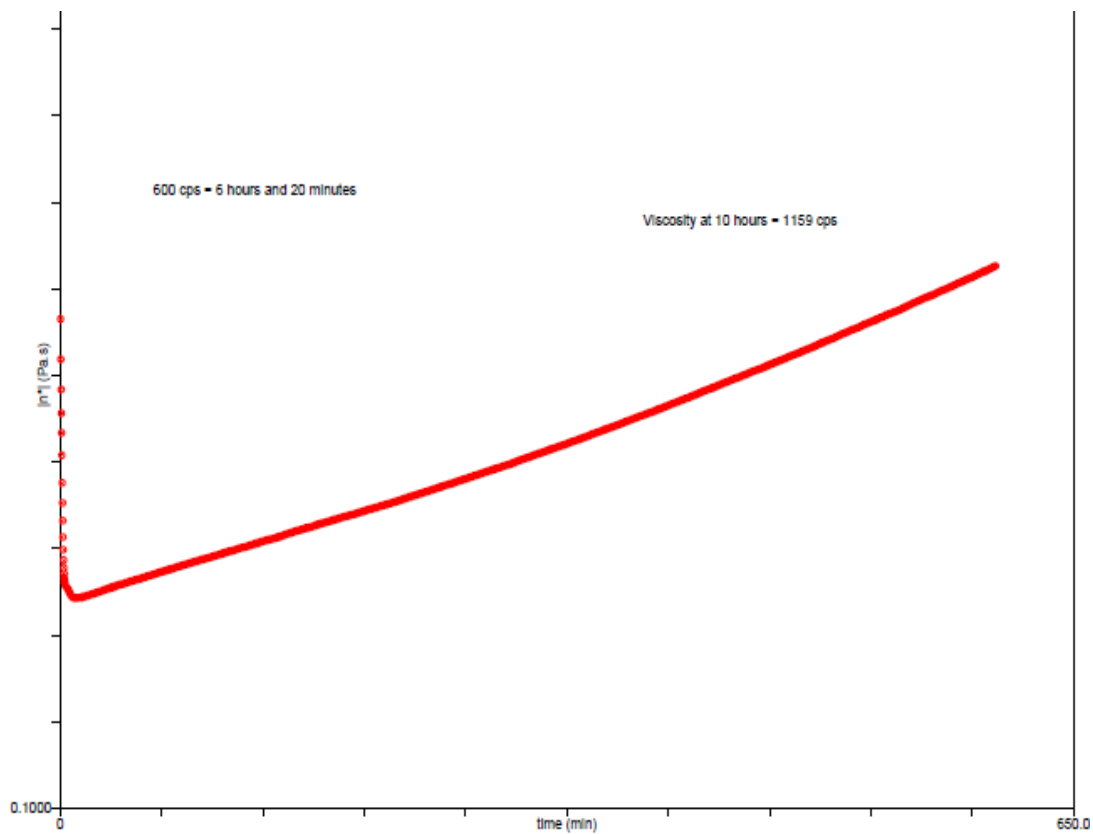
Developed using state-of-the-art formulating technologies, **RM-3010 One-Part BMI VARTM Resin** delivers superior hot/wet performance in airframe, missile and propulsion applications at service temperatures up to 400°F. RM-3010 BMI resin delivers improved damage tolerance at higher temperatures vs. industry-standard BMI resins. RM-3010 resin can be injected into a variety of woven and non-crimp fabrics as well as braids and other complex engineered preforms. Its long pot life (< 1000 cps @ 8 hours at 110°C) makes it very suitable for injecting large complex structural parts.

Renegade also offers a similar resin system for Resin Transfer Molding (RTM) processing to support molding of smaller, tightly toleranced parts called RM-3000 and an autoclave prepreg version called RM-3002.

RM-3000 Resin Properties	
<b>Cured Resin Density</b>	1.25 g/cc
<b>Glass Transition Temperature</b>	
<b>DMA by G' onset</b>	550°F
<b>TMA</b>	525°F
<b>72 hr., 180°F water immersion</b>	485°F
<b>Resin Flex Strength</b>	18 ksi
<b>Resin Flex Modulus</b>	665 ksi
<b>Resin Flex Strain to Failure</b>	2.5%

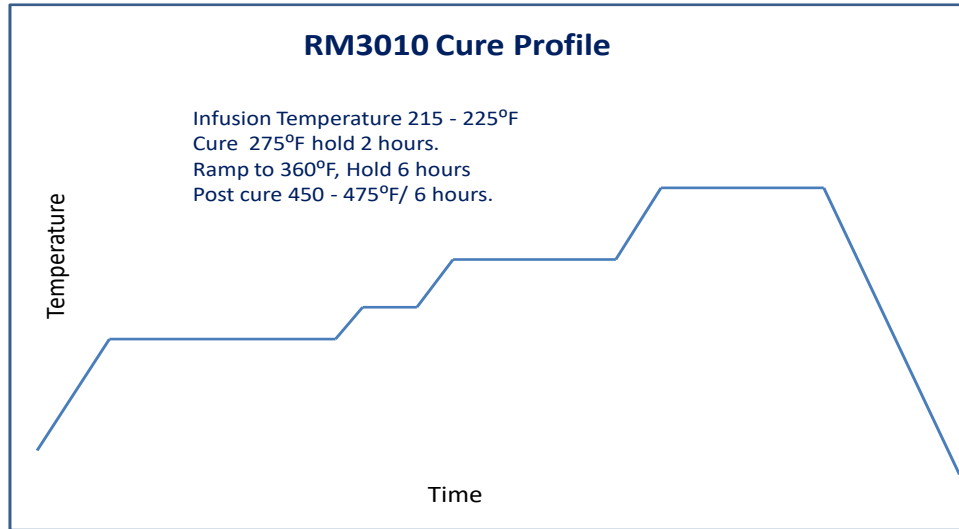
“Seller makes no warranty regarding the accuracy of this information. Buyers should make their own evaluation to determine suitability of any product for their own intended purposes.”

## RM-3010 Typical Viscosity at infusion Temperature



“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.”

## Renegade Recommended Infusion Temperature and Cure Cycle for RM-3010



## Renegade Recommended Storage Conditions and Shelf Life for RM-3010

Storage Life is dependent upon storage temperature. Keep containers sealed tightly when not in use. To reduce moisture pick-up, allow the container to reach room temperature prior to opening.

### STORAGE CONDITIONS:

- 1) At or Below 10°F in a Sealed Container: 6 months.
- 2) Room Temperature (at or below 75°F) Storage in a Sealed Container: 1 month

“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.”



**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.**

**For an MSDS, pricing or 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.**

**Revision Date: 30 APRIL 2020 by TMS**