

AVIMID® RB

Thermoset Polyimide

Cytec Industries Inc.

Message:

AVIMID® RB is a high temperature, 644°F (340°C) Tg thermoset polyimide resin with wet service capability to more than 530°F (277°C) and dry service capability of 600°F (316°C). AVIMID RB has excellent thermal oxidative stability and resistance to aircraft fluids. AVIMID RB was formulated for prepreg autoclave vacuum bag processing, but can be successfully compression molded both as a prepreg and in dry forms as neat resin or chopped-fiber molding compound. Unidirectional tape and woven prepreg of AVIMID RB will retain their tack and drape for 14 days at 70°F (21°C). Standard autoclave or compression molding processes, to a final temperature of 680°F (360°C) will result in full Tg development/cure with no need for post-cure treatment. AVIMID RB can be solution impregnated on a variety of fibers and fabrics.

General Information		
Features	Autoclavable	
	Good Thermal Aging Resistance	
	Heat Cure	
	High Heat Resistance	
	Oxidation Resistant	
Uses	Aerospace Applications	
	Structural Parts	
Forms	Fabric	
	Fiber	
Processing Method	Compression Molding	
	Vacuum Forming	
Mechanical	Nominal Value	Unit
Tensile Modulus ¹	3790	MPa
Tensile Strength ²	82.7	MPa
Tensile Elongation (Break)	2.4	%
Flexural Modulus	3790	MPa
Flexural Strength	111	MPa
NOTE		
1.	Neat resin	
2.	Neat resin	

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Recommended distributors for this material

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