

# SKYBOND® 875

Aromatic Polyimide

Industrial Summit Technology Co.

## Message:

The Skybond® product line encompasses a number of products usable as matrix resins for manufacture of high thermal stability structural composites. Composites based on the Skybond® family of resins have continuous use temperatures in excess of 600° F with short term capability greater than 1000° F. Prepreg has been successfully manufactured from all common high performance substrates, such as, E-glass, high modulus carbon, and quartz. Two new classes of matrix resins have been developed in the Skybond® family. The first can be processed by RTM molding techniques to bring the outstanding thermal resistance of polyimide resins to RTM molded composites. The second new class of Skybond® matrix resins is the two-stage cure resins that when used in prepreg applications allow the manufacture of very low void level composites by autoclave processing (<0.5% voids) combined with excellent thermal stability of polyimide resins.

General Information			
Features	Good Thermal Stability		
Uses	Compounding		
Physical	Nominal Value	Unit	
Solution Viscosity	1500 to 3000	mPa·s	
Solids Content	37 to 39	%	
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	325 to 335	°C	DSC

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## Recommended distributors for this material

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