

# CYCOM® 2237

Thermoset Polyimide

Cytec Industries Inc.

## Message:

CYCOM® 2237 is Cytec Engineered Materials' version of PMR-15. It is formulated for high temperature applications where low void content is critical. CYCOM 2237 has the best overall balance of processing behavior, thermo-oxidative stability and retention of properties in the 500 to 550°F (260 to 288°C) range. CYCOM 2237's thermo-oxidative stability and micro-crack resistance make it ideal for jet engine and other fatigue loaded components like bypass ducts, gear box covers, transmission housings, vent tubes, fan stator and vane assemblies, nozzle flaps, core cowls, particle separator swirl frames and compression molded bearings. CYCOM 2237 prepreg can be autoclave cured, vacuum bag processed or compression molded. CYCOM 2237 is solution impregnated on a variety of fibers and fabrics. It is currently available on glass, quartz and graphite reinforcement. Product forms are unidirectional tape, non-woven mate and woven fabrics. Generally available widths are 12 inches for UD tape, 24 inches for mat and 60 inches for woven fabrics.

General Information	
Features	Autoclavable
	High Heat Resistance
Uses	Aerospace Applications
	Bearings
	Structural Parts
	Tubing
Forms	Fabric
	Fiber
Processing Method	Compression Molding
	Vacuum Forming

Physical	Nominal Value	Unit
Specific Gravity <sup>1</sup>	1.31	g/cm <sup>3</sup>
Mechanical	Nominal Value	Unit
Tensile Modulus <sup>2</sup>	38.6	MPa
Tensile Strength <sup>3</sup>	3.93	MPa
Tensile Elongation <sup>4</sup> (Break)	1.5	%

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