



**STRATO™ Product Classes
for LEO, GEO and Deep Space Applications**

	STRATOLeo	STRATOGEO
Operating Environment	Space-flight ready for LEO applications	Space-flight ready for GEO and Deep Space applications
Composite Material	HR40 Fiber, High Modulus (57 msi)	M55J Fiber, High Modulus (78 msi)
Resin	Mitsubishi 321 Epoxy Resin	PMT-F33 Cyanate Ester Resin
Temperature Range	Max of 300°F, 150°C	Max of 485°F, 250°C
Outgassing	Meets flight requirements of NASA-RP-1124 and ECSS-Q-70 (ESA) TML 0.22% per ASTM E 595 CVCM <0.01 per ASTM E 595	Meets flight requirements of NASA-RP-1124 and ECSS-Q-70 (ESA) TML 0.21% per ASTM E 595 CVCM <0.01 per ASTM E 595
<i>Tubes</i>		
CTE (1 and 2 directions same)	0.819 PPM/°F	-0.203 to -0.141 PPM/°F
Standard Tube Length	72"	72"
<i>Plates, Sandwich Panels, Solar Array Substrates</i>		
Flat Laminate CTE (1 and 2 directions same)	0.819 PPM/°F	-0.203 to -0.156 PPM/°F
Sandwich/Substrate Core Material	Aluminum, perforated	Aluminum, perforated
Sandwich Panel Film Adhesive	NB101, NB301	FM300-2
Solar Array Substrate Kapton Layer	HN 0.002"	HN 0.002"
Standard Plate, Panel and Substrate Size	48" x 96"	48" x 96"
<i>Packages and Options for All Products</i>		
Average Lead-time	2-4 weeks	2-4 weeks
Material Certification Package	Included with order	Included with order
Serial Numbers/ Cure/Traceability	Included with order	Included with order
Additional Options for Most Products	Full traveler verification Resin content testing Short beam shear testing Cutting	Full traveler verification Resin content testing Short beam shear testing Cutting

For more information on RWC's space ready, short lead time STRATO product line, visit www.rockwestcomposites.com/strato.