

THERMALGRAPH® EWC-300X

Carbon/Epoxy
Cyttec Industries Inc.

Message:

ThermalGraph® Fabric EWC-300X is a pitch-based, high thermal conductivity woven fabric developed for thermal management applications. Due to the orthotropic nature of the weave, and the high longitudinal thermal conductivity of the fibers, biaxial thermal conductivity is achieved. Through-the-thickness thermal conductivity is enhanced by the weaving crimp. This product is easily prepregged and processed into a composite form. ThermalGraph EWC-300X is available as a plain weave fabric constructed from 4000 (4K) filament continuous pitch tows and as an eight harness satin fabric constructed from 2000 (2K) filament continuous pitch tows. Other filament counts and fabric styles can be provided on special order.

General Information		
Features	Thermally Conductive	
Forms	8-Harness Satin Weave Fabric	
Physical	Nominal Value	Unit
Specific Gravity		
-- ¹	2.10	g/cm ³
-- ²	2.16	g/cm ³
Thermal	Nominal Value	Unit
Thermal Conductivity ³	250 to 400	W/m/K
NOTE		
1.	Plain Weave	
2.	8 Harness Satin Weave	
3.	Estimated	

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