

## Product Data Sheet

Panel Name : SFPS 42003, SFPS 42005  
 Specification : Qualified to Boeing BMS4-20 TypeIII, Type V  
 Reinforcement : Unidirectional carbon fiber with fiberglass overlay  
 Resin Type : Epoxy  
 Core : 1/8"-5.5 Nomex® Honeycomb (SAH 1/8-5.5)  
 Test Method : Accordance with BMS4-20

DESCRIPTION	UNIT	VALUE
Areal Weight	lb/sq ft	0.44
Thickness	inch	0.40
Long Beam Flexure	lbs	320
Deflection at 100 lbs	-	0.387
Panel Shear	lbs	861
Drum Peel	lbs /3 inch	53
In-Plane Shear	lbs/in	475
Insert Shear	lbs	1,301
Impact Strength	in-lb	17
Stabilized Core Compression	lbs/sq in	986
Warpage	in/ft	0.000
Food Cart Roller Test	cycles without failure, min.	> 80,000 cycle
Flammability – 60 second vertical		
Self - extinguishing time	seconds	2
Burn length	inches	3
Drip, extinguish time	seconds	none
Flammability – 45 degree angle		
Self - extinguishing time	seconds	3
Penetration	-	No penetration
Glow time	seconds	0
Specific Optical Density, Ds after 4 minutes	max	160
Toxic Gas Emission		
CO		No Data
HCN		2
HF	ppm, max	1
HCL		N.D.
SO <sub>2</sub>		5
NO <sub>x</sub>		3