

## Product Data Sheet

Panel Name : SFPS 42002  
 Specification : Qualified to Boeing BMS4-20 Type II  
 Reinforcement : Unidirectional carbon fiber with fiberglass overlay  
 Resin Type : Epoxy  
 Core : 5/32"-9.0 Nomex® Honeycomb (SAH 5/32-9.0)  
 Test Method : Accordance with BMS4-20

DESCRIPTION	UNIT	VALUE
Areal Weight	lb/sq ft	0.58
Thickness	inch	0.39
Long Beam Flexure	lbs	341
Deflection at 100 lbs	-	0.380
Panel Shear	lbs	1,171
Drum Peel	lbs/3 inch	31
In-Plane Shear	lbs/in	499
Insert Shear	lbs	1,327
Impact Strength	in-lb	13
Stabilized Core Compression	lbs/sq in	2,886
Warpage	in/ft	0.000
Food Cart Roller Test	cycles without failure, min.	Stage1 : 120,000 cycle Stage2 : >35,000 cycle
Flammability – 60 second vertical		
Self - extinguishing time	seconds	4
Burn length	inches	3
Drip, extinguish time	seconds	none
Flammability – 45 degree angle		
Self - extinguishing time	seconds	2
Penetration	-	No penetration
Glow time	seconds	0
Specific Optical Density, Ds after 4 minutes	max	138
Toxic Gas Emission		
CO		No Data
HCN		3
HF	ppm, max	1
HCL		N.D.
SO <sub>2</sub>		5
NO <sub>x</sub>		4

## 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