

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 ₂		5
NO _x		4