

		Test Results (Test Method per Spec. MIL-STD-401B)										
Unit		133E	133G	233B	233E	233G	233G5	233C5	235E	325G	329G	
H/C Cell size	mm	3.2					4.8		3.2			
H/C Density	kg/m ³	48							80		144	
Properties		Average										
Panel Areal weight	kg/m ²	2.25	3.70	1.15	2.50	3.10	2.90	1.20	3.20	3.25	4.25	
Panel Thickness	mm	10.00	25.00	5.00	18.00	15.00	10.00	5.00	19.00	10.00	19.00	
Compression	MPa	2.10					2.85		5.50		15.20	
Peel strength L-dir	N/76mm	360	360	60	60	90	132	132	165			
Peel strength W-dir			360			90		132			250	
4-point bending L-dir		1050	2800		1300	1300	1130		2550		4000	
Deflection at 450N	mm	20.2	2.7		7.2	5.1	15.0		4.0			
4-point bending W-dir	N/76mm	870	2300	280			800		2700		2500	
Deflection at 450N	mm	20.1	3.0		6.0		15.1		4.0			
3-point bending L-dir	N/76mm	1850	3700	650					5500		8000	
3-point bending W-dir		1030	2300						3750		4800	
Flammability acc. ABD 0031 Test Report 60 sec. vertical /AITM 2.0002/FAR 25.App.F												
Extinguishing Time	s	between 0 and 7										
Burn Length	mm	between 20 and 100							40			
Drip Extinguishing Time	s	0										
Smoke Density acc. ABD 0031, 7-3-2/AITM 2.0002/ FAR 25.App.F												
Flamming mode Ds-4min					10						5	
Non flamming mode Ds-4min											1,25	
Heat Release Rate and Heat Release acc. ABD 0031, 7-2 AITM 2.0006 FAR 25. App.F,Part IV												
HRR max. (kW/m ²)											36	
HR (kWmin/m ²)											23	
Toxic Gas Emission acc. ABD 0031, 7-4 /AITM 3.0005												
Flaming mode	Time											
Hydrogen Cyanide	4min			0 ppm							2ppm	
Carbon Monoxide	4min			30 ppm							10ppm	
Nitrous Gases	4min			1 ppm							0ppm	
Sulfur Dioxide	4min			0 ppm							1 ppm	
Hydrogen Chloride	4min			0 ppm							18ppm	
Hydrogen Fluoride	4min			0 ppm							5ppm	