



Polyplank® LAM
Typical Physical Properties

Property	Test Method	0.9 PCF	1.2 PCF	1.7 PCF	2.2 PCF
Type			Type I	Type I	Type I
Density (lb/ft ³)	ASTM D-3575 SUFFIX W	> 0.9	> 1.1	> 1.6	> 2.1
Cell Count (cells/inch)	ASTM D-3576	18	18	22	22
Compressive Strength ¹ (lb/in ²)					
25%	ASTM D-3575	2 - 4	3 - 7	4 - 7	5 - 11
50%	SUFFIX D	5 - 7	8 - 12	10 - 15	12 - 17
Compressive Set ¹ (%)					
2hrs	ASTM D-3575	30	30	34	32
24hrs	SUFFIX B	24	24	20	25
Compressive Creep ¹ (%)	ASTM D-3575 SUFFIX BB	12 @ 1 psi	5 @ 1psi	3 @ 1psi	10 @ 2psi
Water Absorption ¹ (lb/ft ²)	ASTM D-3575 SUFFIX L	0.06	0.04	0.02	0.01
Tensile Strength (lb/in ²)	ASTM D-412	20	38	26	47
Tensile Elongation (%)	ASTM D-412	75	75	59	86
Thermal Stability ¹ (%)	ASTM D-3575	<4	<2	<2	<2
Service Temperature °F		-30 to +180	-30 to +180	-30 to +180	-30 to +180

¹ Typical properties not to be considered specifications.

For Anti-Static Product Only			
Electrostatic Decay ¹	EIA 541	Seconds	Less Than 2.0
Surface Resistivity ¹	EIA 541	Ohms	>1.00 x 10 ⁵ <1.00 x 10 ¹²
For Fire Retardant Only			
UL Listed	UL 94		Classified HF-2

1. Denotes properties specified in CID-AA-59136, (formerly Federal Specification PPP-C-1752D).