

# POLYBOARD<sup>®</sup> POLYBOARD<sup>®</sup>

## PolyPlank<sup>®</sup> EXT Typical Physical Properties

Property	Test Method	1.7 PCF Type I	2.2 PCF Type I	4 PCF Type III	6 PCF Type IV	9 PCF Type V
Type		Type I	Type I	Type III	Type IV	Type V
Density (lb/ft <sup>3</sup> )	ASTM D-3575 SUFFIX W	NLT 1.6	NLT 2.1	NLT 4.3	NLT 5.7	NLT 8.8
Cell Count (cells/inch)	ASTM D-3576	20	24	30	30	30
Compressive Strength (lb/in <sup>2</sup> )	ASTM D-3575 SUFFIX D	6 - 8 14	7 - 9 13 - 16	13 - 20 16 - 24	26 - 30 36 - 43	46 62 - 70
Compressive Set (%)	ASTM D-3575 SUFFIX B	21 16	22 16	9 6	10 7	20 11
Compressive Creep (%)	ASTM D-3575, SUFFIX BB	6	6	0.8	0.8	0.8
Water Absorption (lb/ft <sup>2</sup> )	ASTM D-3575 SUFFIX L	0.06	0.04	0.02	0.02	0.05
Thermal Stability (%)	ASTM D-3575	<2	<2	<2	<2	<2
Service Temperature °F		-30 to +180	-30 to +180	-30 to +180	-30 to +180	-30 to +180

### For Anti-Static Product Only

Electrostatic Decay <sup>1</sup>	EIA 541	seconds	Less Than 2.0
Surface Resistivity <sup>1</sup>	EIA 541	Ohms	>1.00 x 10 <sup>9</sup> <1.00 x 10 <sup>12</sup>

### For Fire Retardant Only

UL Listed	UL 94		Classified HF-2
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### For Fire Retardant A/S Product Only

Flame Spread Index <sup>1</sup>	ASTM E-162		<25
Specific Optical Density <sup>1</sup>	ASTM E-662		<100

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

# PolyPlank® LAM

## 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 <sup>3</sup> )	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 <sup>1</sup> (lb/in <sup>2</sup> )	ASTM D-3575 SUFFIX D	2 - 4 5 - 7	3 - 7 8 - 12	4 - 7 10 - 15	5 - 11 12 - 17
Compressive Set <sup>1</sup> (%)	ASTM D-3575 SUFFIX B	30 24	30 24	34 20	32 25
Compressive Creep <sup>1</sup> (%)	ASTM D-3575, SUFFIX BB	12 @ 1 psi	5 @ 1psi	3 @ 1psi	10 @ 2psi
Water Absorption <sup>1</sup> (lb/ft <sup>2</sup> )	ASTM D-3575 SUFFIX L	0.06	0.04	0.02	0.01
Tensile Strength (lb/in <sup>2</sup> )	ASTM D-412	20	38	26	47
Tensile Elongation (%)	ASTM D-412	75	75	59	86
Thermal Stability <sup>1</sup> (%)	ASTM D-3575	<4	<2	<2	<2
Service Temperature °F		-30 to +180	-30 to +180	-30 to +180	-30 to +180

### For Anti-Static Product Only

Electrostatic Decay <sup>1</sup>	EIA 541	seconds	Less Than 2.0
Surface Resistivity <sup>1</sup>	EIA 541	Ohms	>1.00 x 10 <sup>9</sup> <1.00 x 10 <sup>12</sup>

### For Fire Retardant Only

UL Listed	UL 94		Classified HF-2
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1. Denotes properties specified in CID-AA-59136, (formerly Federal Specification PPP-C-1752D).