



POLYPLANK TYPICAL PROPERTIES

			Extruded										
	METHOD	UNITS MEASURED	1.8 x 24"	2.2 x 24"	2.2 x 24" SFT	2.2 X 24" IVFR	2.2 X 24" FRAS	4.0 X 24"	6.0 X 24"	9.0 X 24"	1.8 X 48"	2.2 X 48"	2.2 X 48" KASE
THICKNESS	ASTM D3575, Section 8	millimeter	Target: Described +6.35cm, Tol: +/- 3.175mm										
WIDTH		millimeter	Useable Width as Described: Delivered at Useable Width +25.4mm										
LENGTH		millimeter	Useable Length as Described: Delivered at Useable Length +38.1mm										
CELL COUNT	Internal Method	Cells/25.4 mm	17-23	20-26	34-42	20-26	20-26	28-32	38-42	38-42	17-23	20-26	26-30
24 Hr Compression Set	ASTM D3575, Suffix B	Vertical % Loss	13.1	12.4	11.5	12.7	12.8	12.1	14.8	14.5	13	13.9	13.4
		MD % Loss	13.3	11.8	11.3	9.7	123	10.6	11.5	10.9	13.1	12.3	14.7
		CMD % Loss	13.5	11.5	11.6	10.4	9	11.47	12.7	11.3	13.6	12.4	14.2
Die Cut Recovery	Internal Method	24Hr recovery % Vertical	>97	>97	>97	>94	>94	>92	>90	>88	>97	>97	>97
		24Hr recovery % MD & CMD	>98	>98	>98	>95	>95	>88	>92	>87	>98	>98	>98
Water Absorption	ASTM D 3575, Suffix L	5kg/m2	<1kg/m2	<1kg/m2	<1kg/m2	<1kg/m2	<1kg/m2	<1kg/m2	<1kg/m2	<1kg/m2	<1kg/m2	<1kg/m2	<1kg/m2
Thermal Stability	ASTM D3575 Suffix S	% Change	<5%	<5%	<5%	<5%	<5%	<5%	<5%	<5%	<5%	<5%	<5%
3D Compressive Sets	ASTM D3575 Suffix D 50.8mm/min rate (25.4mm/min>64.07kg/m3)	Vertical kPa @ 10% Deflection	40.7	45.5	36.5	43.4	49.6	93.1	131.0	374.4	49.0	37.2	34.5
		Vertical kPa @ 25% Deflection	55.2	66.2	58.6	64.8	68.9	115.8	166.2	422.6	63.4	55.8	62.7
		Vertical kPa @ 50% Deflection	106.2	128.2	124.1	122.0	124.8	195.8	275.8	638.5	114.5	116.5	122.7
		MD kPa @ 10% Deflection	45.5	61.4	53.1	62.7	49.6	128.2	215.1	388.9	47.6	53.8	53.1
		MD kPa @ 25% Deflection	59.3	81.4	73.8	80.7	70.3	143.4	235.1	472.3	62.7	71.7	76.5
		MD kPa @ 50% Deflection	108.2	140.0	135.1	121.3	123.4	217.9	333.7	659.8	113.1	123.4	132.4
		CMD kPa @ 10% Deflection	43.4	60.7	55.8	64.8	60.7	130.3	226.1	511.6	47.6	54.5	52.4
		CMD kPa @ 25% Deflection	57.2	77.9	76.5	81.4	77.2	147.5	242.0	533.0	62.7	69.6	68.3
CMD kPa @ 50% Deflection	108.2	137.9	137.9	128.2	126.2	219.9	343.4	730.8	114.5	126.2	129.6		
Constant Compressive Creep	ASTM D3575 Suffix BB, ASTM D2221	% Loss @ 168 Hr	6.1 @ 13.79 kPa	4.1 @ 13.79 kPa psi	8.8 @ 13.79 kPa	6.4 @ 13.79 kPa psi	1.9 @ 13.79 Kpa	2.3 @ 20.68 kPa	2.4 @ 24.13 kPa	1 @ 36.19 kPa	4.6 @ 13.79 kPa	4 @ 13.79 kPa	5.1 @ 13.79 kPa
A/S Materials (ESD Time)	ANSI/ESD S541, Mil-Std-3010B	Static Decay Time (Seconds)											
A/S Materials Surface Resistance	ANSI/ESD S541: ANSI/ESD STM 11.11	Surface Resistance											

Values presented are typical for the products. They shall not be used or construed as specification limits