



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	inches	Target: Described +0.25", Tol: +/- 0.125										
WIDTH		inches	Useable Width as Described: Delivered at Useable Width +1.0"										
LENGTH		inches	Useable Length as Described: Delivered at Useable Length +1.5"										
CELL COUNT	Internal Method	Cells/inch	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, 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	Lb/sqft	<0.3lb/sqft	<0.3lb/sqft	<0.3lb/sqft	<0.3lb/sqft	<0.3lb/sqft	<0.3lb/sqft	<0.3lb/sqft	<0.3lb/sqft	<0.3lb/sqft	<0.3lb/sqft	<0.3lb/sqft
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 2in/min rate (1.0in/min>4pcf)	Vertical psi @ 10% Deflection	5.9	6.6	5.3	6.3	7.2	13.5	19	54.3	7.1	5.4	5
		Vertical psi @ 25% Deflection	8	9.6	8.5	9.4	10	16.8	24.1	61.3	9.2	8.1	9.1
		Vertical psi @ 50% Deflection	15.4	18.6	18	17.7	18.1	28.4	40	92.6	16.6	16.9	17.8
		MD psi @ 10% Deflection	6.6	8.9	7.7	9.1	7.2	18.6	31.2	56.4	6.9	7.8	7.7
		MD psi @ 25% Deflection	8.6	11.8	10.7	11.7	10.2	20.8	34.1	68.5	9.1	10.4	11.1
		MD psi @ 50% Deflection	15.7	20.3	19.6	17.6	17.9	31.6	48.4	95.7	16.4	17.9	19.2
		CMD psi @ 10% Deflection	6.3	8.8	8.1	9.4	8.8	18.9	32.8	74.2	6.9	7.9	7.6
		CMD psi @ 25% Deflection	8.3	11.3	11.1	11.8	11.2	21.4	35.1	77.3	9.1	10.1	9.9
CMD psi @ 50% Deflection	15.7	20	20	18.6	18.3	31.9	49.8	106	16.6	18.3	18.8		
Constant Compressive Creep	ASTM D3575 Suffix BB, ASTM D2221	% Loss @ 168 Hr	6.1 @2 psi	4.1 @ 2 psi	8.8 @ 2 psi	6.4 @ 2 psi	1.9 @ 2psi	2.3 @ 3psi	2.4 @ 3.5 psi	1 @5.25 psi	4.6 @ 2psi	4 @ 2psi	5.1 @ 2 psi
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