



## POLYPLANK TYPICAL PROPERTIES

			Laminated & Single Layer Sheeted						
	METHOD	UNITS MEASURED	1.7 Renew		2.2 Renew				
			1.2 x48"	1.7 x48"	x48"	2.2 x48"	x48"	4.0 x48"	6.0 x48"
THICKNESS	ASTM D3575, Section 8	millimeter	Described -0, + 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	15-21	16-23	16-23	17-23	17-23	23-28	25-31
24 Hr Compression Set	ASTM D3575, Suffix B	Vertical % Loss	16.9	16.1	14.5	14.3	15.4	16.6	3.8
		MD % Loss	12.9	11.7	9.8	10.5	11.6	9.9	5.4
		CMD % Loss	11.9	11.4	10	9.8	10.6	7.2	5.9
Die Cut Recovery	Internal Method	24Hr recovery % Vertical	>97	>97	>97	>97	>97	96	95
		24Hr recovery % MD & CMD	>98	>98	>98	>98	>98	>97	>97
Water Absorption	ASTM D 3575, Suffix L	5kg/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%
3D Compressive Sets	ASTM D3575 Suffix D 50.8mm/min rate (25.4mm/min>64.07kg/m3)	Vertical kPa @ 10% Deflection	18.6	22.1	21.4	26.9	24.8	36.5	100.7
		Vertical kPa @ 25% Deflection	33.1	40.0	40.0	46.2	44.1	60.0	136.5
		Vertical kPa @ 50% Deflection	77.9	89.6	87.6	100.0	98.6	127.6	233.7
		MD kPa @ 10% Deflection	20.0	29.0	28.3	35.2	33.1	94.5	177.2
		MD kPa @ 25% Deflection	32.4	42.7	41.4	50.3	49.0	104.8	233.0
		MD kPa @ 50% Deflection	71.7	86.9	84.5	97.2	96.5	164.1	324.7
		CMD kPa @ 10% Deflection	37.2	50.3	44.1	54.5	51.7	156.5	313.7
CMD kPa @ 25% Deflection	47.6	63.4	57.2	68.9	67.6	157.9	315.8		
CMD kPa @ 50% Deflection	86.9	106.9	100.7	116.5	108.2	211.7	399.2		
Constant Compressive Creep	ASTM D3575 Suffix BB, ASTM D2221	% Loss @ 168 Hr	7.25 @ 6.89 kPa	12.1 @ 13.79 kPa	12.2 @ 13.79 kPa	8.6 @ 2 psi	10.6 @ 13.79 kPa	17.3 @ 20.68 kPa	1.3 @ 24.13 kPa
A/S Materials (ESD Time)	ANSI/ESD S541, Mil-Std-3010B	Static Decay Time (Seconds)	Less than 2.0 Seconds to dissipate +/-5000 volts						
A/S Materials Surface Resistance	ANSI/ESD S541: ANSI/ESD STM 11.11	Surface Resistance	10 <sup>4</sup> - 10 <sup>11</sup> Ohms						

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