

Typical Properties

Tests Performed	Units Measured	Method	Polyplank 2.2# 2" Lam																						
Thickness	inches	ASTM D3575, Section 8	2.0625																						
Width	inches	ASTM D3575, Section 8	49.00																						
Length	inches	ASTM D3575, Section 8	110.00																						
Density	lb/cu.ft.	ASTM D3575 Suffix W, Method B	2.0																						
Cell Count	cells/inch MD	Internal Method	20.0																						
	cells/inch CMD		23.0																						
24 Hr Compression Set	Vertical % Loss	ASTM D3575, Suffix B	14.1																						
	MD % Loss		7.8																						
	CMD % Loss		8.7																						
Die Cut Recovery	1Hr recovery % Loss Vertical	Internal Method	2.1%loss 97.9% recover																						
	24Hr recovery % Loss Vertical		1.8%loss 98.2% recover																						
Water Absorption	lb/sqft	ASTM D3575, Suffix L	0.03																						
Thermal Stability	Thickness % Change	ASTM D3575 Suffix S	1.6																						
	MD Length % Change		1.1																						
	CMD Length % Change		0.8																						
3D Compression Strength	Vertical psi @ 10% Deflection	ASTM D3575 Suffix D, 2in/min	3.5																						
	Vertical psi @ 25% Deflection		5.9																						
	Vertical psi @ 50% Deflection		12.9																						
	MD psi @ 10% Deflection		6.5																						
	MD psi @ 25% Deflection		8.4																						
	MD psi @ 50% Deflection		14.9																						
	CMD psi @ 10% Deflection		5.2																						
	CMD psi @ 25% Deflection		7.1																						
	CMD psi @ 50% Deflection		13.3																						
	<p style="text-align: center;">Compressive Strength vs. Deflection (ASTM D3575, Suffix D)</p> <table border="1"> <caption>Compressive Strength vs. Deflection (ASTM D3575, Suffix D)</caption> <thead> <tr> <th>Deflection (%)</th> <th>Stress (psi)</th> </tr> </thead> <tbody> <tr><td>Vertical 10%</td><td>3.5</td></tr> <tr><td>Vertical 25%</td><td>5.9</td></tr> <tr><td>Vertical 50%</td><td>12.9</td></tr> <tr><td>MD 10%</td><td>6.5</td></tr> <tr><td>MD 25%</td><td>8.4</td></tr> <tr><td>MD 50%</td><td>14.9</td></tr> <tr><td>CMD 10%</td><td>5.2</td></tr> <tr><td>CMD 25%</td><td>7.1</td></tr> <tr><td>CMD 50%</td><td>13.3</td></tr> </tbody> </table>				Deflection (%)	Stress (psi)	Vertical 10%	3.5	Vertical 25%	5.9	Vertical 50%	12.9	MD 10%	6.5	MD 25%	8.4	MD 50%	14.9	CMD 10%	5.2	CMD 25%	7.1	CMD 50%	13.3	
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168 Hr Constant Compression Creeps	% Loss @ 0.1 Hr	CID A-A-59136, ASTM-D3575 Suffix BB: 168 Hr @ CID specified Loading	1.0																						
	% Loss @ 1.0 Hr		1.5																						
	% Loss @ 24 Hr		3.1																						
	% Loss @ 48Hr		3.9																						
	% Loss @ 120 Hr		5.4																						
	% Loss @ 168 Hr		6.0																						
<p style="text-align: center;">CID-A-A-59136, 168 Hr Creep Curves (10% MAX) (Vertical Orientation)</p> <table border="1"> <caption>CID-A-A-59136, 168 Hr Creep Curves (10% MAX) (Vertical Orientation)</caption> <thead> <tr> <th>Time (Hr)</th> <th>Percent Loss (%)</th> </tr> </thead> <tbody> <tr><td>0</td><td>0.0</td></tr> <tr><td>24</td><td>3.1</td></tr> <tr><td>48</td><td>3.9</td></tr> <tr><td>72</td><td>4.5</td></tr> <tr><td>96</td><td>4.9</td></tr> <tr><td>120</td><td>5.4</td></tr> <tr><td>144</td><td>5.8</td></tr> <tr><td>168</td><td>6.0</td></tr> </tbody> </table>				Time (Hr)	Percent Loss (%)	0	0.0	24	3.1	48	3.9	72	4.5	96	4.9	120	5.4	144	5.8	168	6.0				
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Values stated are typical for this product line, they shall not be construed as specification values.