



PARALLEL LAMINATED VENEER

A cost-effective alternative to your LVL, OSB, Plywood, and Solid Wood industrial needs.

Tolko's Parallel Laminated Veneer (PLV) is a value added choice to help eliminate waste and improve substrate performance in a host of industrial applications. The product is available in multiple thicknesses and comes in sheet form, ready to cut into your components. Parallel Laminated Veneer has a high strength-to-weight ratio and excellent dimensional stability compared to other composite and solid wood products. Our PLV is made with Douglas-fir Metriguard Rated Veneer and produced at our APA certified mills in British Columbia.

FEATURES AND BENEFITS OF TOLKO PLV

- ✓ High Strength-to-Weight Ratio - Compared to other composite wood products.
- ✓ Dimensional Stability - Our controlled, APA audited, exacting manufacturing process produces an extremely stable product.
- ✓ Fastener Holding - Consistent density yields improved fastener holding results compared to solid sawn wood. Solid sawn wood has variation which can lead to mixed performance.
- ✓ Consistency - Each piece of Tolko PLV is 100% usable with quality you can count on. This eliminates the need to cull, sort and cut out defects, to maximize recovery and efficiency in your plant.
- ✓ Environmental - All Tolko products are manufactured to PEFC, SFM, and SFI standards. SFI fully qualifies under the LEED standard via the LEED Alternative Compliance Path process. LEED Professionals please refer to: LEED v4.1 (page 214-215).
- ✓ Exempt from Formaldehyde Regulations - HUD, CARB, and EPA TSCA Title VI exempt.



Our free [Tolko Product Guide](#) app is available for download. Set yourself up for success by finding the best Tolko lumber, plywood, OSB, and EWP products for each application.





TOLKO PLV SPECIFICATIONS

Product Application	Industrial
Profile¹	All parallel layup Customer-defined cross bands
Thickness Category	1/2", 5/8", 3/4" 7/8", 1-1/8", 1-3/8"
Lengths	96"
Widths	48", 49"

1 Available as an all-parallel layup or with customer-defined cross bands.

APPLICATIONS

- ✓ Windows and Doors
- ✓ Upholstered Furniture
- ✓ Export & Domestic Packaging
- ✓ RV Components
- ✓ Office Furniture Components
- ✓ Display Components
- ✓ Other uses where improved structural properties are required

PROPERTIES OF TOLKO PLV: COMPARISON AGAINST LVL, OSB, PLYWOOD, AND SOLID WOOD

Mechanical Property	Tolko PLV ^{(1) (2)}		2.0E LVL ⁽³⁾		OSB ⁽³⁾		DFP Plywood ⁽³⁾		Poplar Solid Wood ⁽³⁾	
Internal Bond (psi)	60 - 61		60		40 - 50		40		-	
Specific Gravity	0.51		0.51		0.45 - 0.49		0.50		0.36	
Oven-dry Basis Density (pcf)	31.7		32.0		31 - 39		32		23	
Tension Parallel to Grain (psi)	7,610		7,000 - 8,000		-		-		850	
	Parallel Orientation		Parallel Orientation		Parallel Orientation		Parallel Orientation		Parallel Orientation	
Edgewise Bending, Fb, (psi) - MOR	8,680 - 10,350		9,000		3,500 - 5,000		5,000		8,400	
Edgewise Modulus of Elasticity (106 psi) - MOE	1.95 - 2.05		2.0		0.5 - 0.8		1.0		1.2	
	Parallel	Perpendicular	Parallel	Perpendicular	Parallel	Perpendicular	Parallel	Perpendicular	Parallel	Perpendicular
Compression Stress (psi)	9,540	1,400	6,500 - 9,000	1,300	-	-	-	-	4,250	180
Janka Hardness (lbf)	645	465	-	-	-	-	-	-	220	210
	Face	Edge	Face	Edge	Face	Edge	Face	Edge	Face	Edge
Staple Holding (lbf)	274	285	250 - 300	250 - 300	135	-	140	-	290	240
Nail Holding (lbf)	128	150	125	150	75	-	60	-	-	-
Screw Holding (lbf)	276	295	250 - 300	250 - 300	65	-	-	-	-	-

1 lbf = 0.454 kg, 1 psi = 6.9kPa

Footnotes:

- (1) Lab testing done by The APA. Other properties available upon request.
 (2) Various strength grades available including custom layups with cross bands.
 (3) Estimated value averages from published 3rd party data - not to be used for design purposes.



Tolko Industries Ltd.
 3000 - 28th Street
 Vernon, BC V1T 9W9
 Canada

TELEPHONE 250.549.5311
 EMAIL Plywood.Sales@tolko.com
 WEBSITE tolko.com

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 TOLKO.**



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