

Property	Test Method	6mm Plywood Underlayment	9mm Plywood Underlayment
Wood Species	APA I-95	White Birch / Arctic Birch	
Grade	APA I-95	Exterior Grade Phenolic Glue, Passes Boil Test	
Construction	ASTM D1038	5 plies	7 plies
Specific Gravity	ASTM D1037	0.73	.073
Density (lbs/ft ³)	ASTM D1037	45.5	45.5
Moisture Content (50% RH at 20°C)	ASTM D1037	6.67%	6.67%
Hardness	ASTM D1037	1,367 lbf	1,367 lbf
Modulus of Elasticity	ASTM D1037		
Parallel to the grain		2,047,584 psi	2,047,584 psi
Perpendicular to the grain		795,912 psi	795,912 psi
Modulus of Rupture	ASTM D1037		
Parallel to the grain		13,165 psi	14,375 psi
Perpendicular to the grain		7,843 psi	10,121 psi
Internal Bond	ASTM D1037	370 psi	370 psi
Fastener Holding	ASTM D1037		
Parallel to the grain		333 lbf	520 lbf
Perpendicular to the grain		414 lbf	537 lbf
Nail-Head Pull Through	ASTM D1037	378 lbf	674 lbf
Staple Pull Through (1/4" Crown, 18 gauge)	ASTM D1037		
Parallel to the grain		167 lbf	192 lbf
Perpendicular to the grain		174 lbf	206 lbf
Boil Test			
Water Resistance	APA I-95	Pass	Pass
Stain Resistance	APA I-95	Pass	Pass
Extract Gardner Color	ASTM D1544	1	1

Testing performed in accordance with ASTM and APA standards.