



AZEK/TIMBERTECH MATERIAL PROPERTIES

PROFILE	PROPERTY	STANDARD	RESULTS (ENGLISH)	RESULTS (METRIC)	
Reserve	Modulus of Elasticity at 20°C (68°F) ¹	EN 310	562501 psi	3878.3 MPa	
	Flexural Resistance at 20°C (68°F) ¹		3139 psi	21.65 MPa	
	Creep Coefficient	EN ISO 899	1.892	N/A	
	Rate of Creep Recovery		0.605	N/A	
	Elastic Recovery		25.76	N/A	
	Shore-D Hardness	ASTM D2240	59.17	N/A	
	Thermal Expansion Coefficient (Lengthwise)	ISO 11359-2	1.890x10 ⁻⁵ in/in/°F	3.404x10 ⁻⁵ mm/mm/°C	
	<i>Slip Resistance</i>				
	Average Dry Slip Index	ASTM F1679	0.60	N/A	
	Average Wet Slip Index		0.49	N/A	
	Terrain	Modulus of Elasticity at 20°C (68°F) ¹	EN 310	392853 psi	2708.6 MPa
Flexural Resistance at 20°C (68°F) ¹		2129 psi		14.68 MPa	
Creep Coefficient		EN ISO 899	2.122	N/A	
Rate of Creep Recovery			0.591	N/A	
Elastic Recovery			24.03	N/A	
Shore-D Hardness		ASTM D2240	63.50	N/A	
Thermal Expansion Coefficient (Lengthwise)		ISO 11359-2	1.795x10 ⁻⁵ in/in/°F	3.232x10 ⁻⁵ mm/mm/°C	
<i>Slip Resistance</i>					
Average Dry Slip Index		ASTM F1679	0.49	N/A	
Average Wet Slip Index	0.44		N/A		



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PROFILE	PROPERTY	STANDARD	RESULTS (ENGLISH)	RESULTS (METRIC)
Legacy	Modulus of Elasticity at 20°C (68°F) ¹	EN 310	590523 psi	4071.5 MPa
	Flexural Resistance at 20°C (68°F) ¹		3189 psi	21.99 MPa
	Creep Coefficient	EN ISO 899	2.150	N/A
	Rate of Creep Recovery		0.603	N/A
	Elastic Recovery		24.15	N/A
	Shore-D Hardness	ASTM D2240	62.00	N/A
	Thermal Expansion Coefficient (Lengthwise)	ISO 11359-2	1.893x10 ⁻⁵ in/in/°F	3.409x10 ⁻⁵ mm/mm/°C
	<i>Slip Resistance</i>	ASTM F1679		
	Average Dry Slip Index		0.48	N/A
	Average Wet Slip Index		0.45	N/A
	Edge Prime (4-sided, Scalloped)	Modulus of Elasticity at 20°C (68°F) ¹	EN 310	427944 psi
Flexural Resistance at 20°C (68°F) ¹		2162 psi		14.90 MPa
Creep Coefficient		EN ISO 899	2.510	N/A
Rate of Creep Recovery			0.611	N/A
Elastic Recovery			25.93	N/A
Shore-D Hardness		ASTM D2240	58.67	N/A
Thermal Expansion Coefficient (Lengthwise)		ISO 11359-2	2.075x10 ⁻⁵ in/in/°F	3.737x10 ⁻⁵ mm/mm/°C
<i>Slip Resistance</i>		ASTM F1679		
Average Dry Slip Index			0.50	N/A
Average Wet Slip Index			0.52	N/A



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Edge Premier (3 sided, Full Profile)	Modulus of Elasticity at 20°C (68°F) ¹	EN 310	504547 psi	3478.7 MPa
	Flexural Resistance at 20°C (68°F) ¹		2864 psi	19.75 MPa
	Creep Coefficient	EN ISO 899	2.295	N/A
	Rate of Creep Recovery		0.570	N/A
	Elastic Recovery		23.00	N/A
	Shore-D Hardness	ASTM D2240	61.33	N/A
	Thermal Expansion Coefficient (Lengthwise)	ISO 11359-2	1.774x10 ⁻⁵ in/in/°F	3.195x10 ⁻⁵ mm/mm/°C
	<i>Slip Resistance</i>	ASTM F1679		
	Average Dry Slip Index		0.50	N/A
	Average Wet Slip Index		0.52	N/A
	Vintage	Modulus of Elasticity at 20°C (68°F) ¹	EN 310	134064 psi
Flexural Resistance at 20°C (68°F) ¹		3068 psi		21.16 MPa
Creep Coefficient		EN ISO 899	3.044	N/A
Rate of Creep Recovery			0.417	N/A
Elastic Recovery			14.65	N/A
Shore-D Hardness		ASTM D2240	64.00	N/A
Thermal Expansion Coefficient (Lengthwise)		ISO 11359-2	2.902x10 ⁻⁵ in/in/°F	5.229x10 ⁻⁵ mm/mm/°C
<i>Slip Resistance</i>		ASTM F1679		
Average Dry Slip Index			0.89	N/A
Average Wet Slip Index			0.74	N/A



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Arbor	Modulus of Elasticity at 20°C (68°F) ¹	EN 310	144489 psi	996.22 MPa
	Flexural Resistance at 20°C (68°F) ¹		3187 psi	21.97 MPa
	Creep Coefficient	EN ISO 899	3.081	N/A
	Rate of Creep Recovery		0.373	N/A
	Elastic Recovery		13.46	N/A
	Shore-D Hardness	ASTM D2240	64.33	N/A
	Thermal Expansion Coefficient (Lengthwise)	ISO 11359-2	2.769x10 ⁻⁵ in/in/°F	4.988x10 ⁻⁵ mm/mm/°C
	<i>Slip Resistance</i>	ASTM F1679		
	Average Dry Slip Index		0.82	N/A
	Average Wet Slip Index		0.70	N/A
	Harvest	Modulus of Elasticity at 20°C (68°F) ¹	EN 310	135090 psi
Flexural Resistance at 20°C (68°F) ¹		3035 psi		20.93 MPa
Creep Coefficient		EN ISO 899	2.766	N/A
Rate of Creep Recovery			0.388	N/A
Elastic Recovery			14.10	N/A
Shore-D Hardness		ASTM D2240	62.50	N/A
Thermal Expansion Coefficient (Lengthwise)		ISO 11359-2	2.811x10 ⁻⁵ in/in/°F	5.064x10 ⁻⁵ mm/mm/°C
<i>Slip Resistance</i>		ASTM F1679		
Average Dry Slip Index			0.88	N/A
Average Wet Slip Index			0.76	N/A

1) Mean ultimate values for comparison only.