

## PHYSICAL AND MECHANICAL PROPERTIES FOR TREX SELECT® DECKING

	TEST METHOD	VALUES	
Flame Spread	ASTM E84	70	
Typical Trex® Values for Coefficient of Thermal Expansion/Contraction (36" (91.4 cm) long samples)			
Thermal	Width	42.7 x 10 <sup>-6</sup> (inch/inch/°F) 776 x 10 <sup>-6</sup> (length/length/°C)	
	Length	19.2 x 10 <sup>-6</sup> (inch/inch/°F) 356 x 10 <sup>-6</sup> (length/length/°C)	
Water Absorption	ASTM D1037	1.20%	
Screw Withdrawal	ASTM D1761	388 lbs/in (2.45 Mpa)	
Termite Resistance (a)	AWPAE1-72	Rating = 9.7	
		<b>ULTIMATE (TYPICAL) VALUES</b>	<b>DESIGN VALUES</b>
Modulus of Rupture	ASTM D4761	3750 psi ( 25.86 Mpa)	500 psi (3.45 Mpa)
Modulus of Elasticity (b)	ASTM D4761	400,000 psi (2757.90 Mpa)	200,000 psi (1378.95 Mpa)

**NOTES:**

(a) Eastern Subterranean

(b) Ultimate strength values are not meant for design analysis. Design values are for temperatures up to 130°F (54°C).