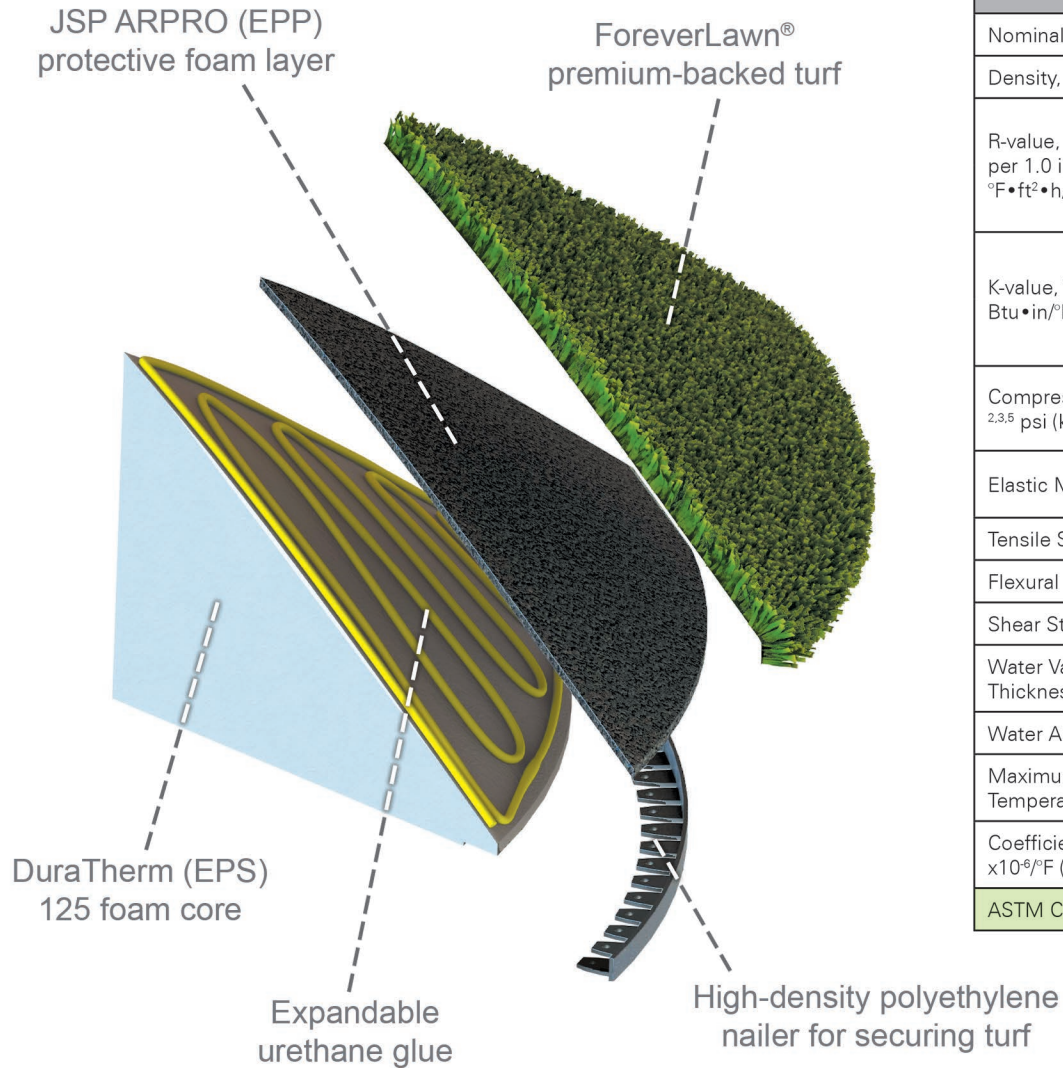


PlayMounds

Patented Layering System



DuraTherm®		75	100	125	150
Nominal Density, lb/ft³ (kg/m³)		0.75 (12)	1.00 (16)	1.25 (20)	1.50 (24)
Density, min, lb/ft³ (kg/m³)		0.70 (12)	0.90 (15)	1.15 (18)	1.35 (22)
R-value, Thermal Resistance per 1.0 in. Thickness °F•ft²•h/Btu (°K•m²/W)	75°	3.2 (0.57)	3.9 (0.68)	3.9 (0.69)	4.2 (0.73)
	40°	3.4 (0.60)	4.2 (0.73)	4.3 (0.75)	4.6 (0.80)
K-value, Thermal Conductivity Btu•in/°F•ft²•h (W/°K•m)	75°	0.31 (0.045)	0.26 (0.037)	0.26 (0.037)	0.24 (0.035)
	40°	0.29 (0.042)	0.24 (0.035)	0.24 (0.034)	0.22 (0.032)
Compressive Resistance, ^{2,3,5} psi (kPa)	@1%	2.2 (15)	3.6 (25)	5.8 (40)	7.3 (50)
	@10%	5.0 (35)	10.0 (69)	13.0 (90)	15.0 (104)
Elastic Modulus ⁵ , psi (kPa)		220 (1500)	360 (2500)	580 (4000)	730 (5000)
Tensile Strength ² , psi (kPa)		10 (69)	20 (138)	25 (173)	30 (208)
Flexural Strength ² , psi (kPa)		10 (69)	25 (173)	30 (208)	35 (242)
Shear Strength ² , psi (kPa)		7 (48)	12 (83)	15.5 (107)	18 (124)
Water Vapor Permeance per 1.0 in. Thickness, perm		5.0	5.0	3.5	3.5
Water Absorption ⁴ , volume%		0.3	0.3	0.3	0.3
Maximum Long-Term Exposure to Temperature, °F (°C)		165 (74)	165 (74)	165 (74)	165 (74)
Coefficient of Thermal Expansion, x10 ⁻⁶ /°F (x10 ⁻⁶ /°C)		35 (63)	35 (63)	35 (63)	35 (63)
ASTM C578 Material Type ¹		Type XI	Type I	Type VIII	Type II