

EPS Foam Insulation

Technical Specifications by Density

Lexar expanded polystyrene (EPS) insulation delivers consistent thermal performance and structural strength for below-grade and foundation applications.

PROPERTY	15 PSI	25 PSI	40 PSI	60 PSI
R-Value at 75°F (per inch)	4.20	4.20	4.20	4.40
R-Value at 40°F (per inch)	4.6	4.7	4.7	4.7
R-Value at 25°F (per inch)	4.8	4.9	5.0	5.0
Flexural Strength (psi)	42	55	75	85
Tensile Strength (psi)	40	50	70	80
Shear Strength (psi)	26	36	45	50
K-Factor at 75°F	0.240	0.240	0.240	0.227
Water Absorption (vol% max)	1.5	1.26	1.26	1.25
Water Vapor Permeance	2.5 perm max	2.5 perm max	2.5 perm max	2.5 perm max

15-YEAR BELOW GRADE PERFORMANCE

No degradation of Thermal Resistance, Dimensional Stability, or Physical Strength after a 15-year foundation exposure test. Lexar EPS is built to perform under the slab — year after year.

Stable R-Value

Retains thermal performance over time

Below-Grade Ready

Engineered for foundation & slab use

Four Densities

15 · 25 · 40 · 60 PSI options