

Type I Technical Data

Type I EPS

Benchmark Foam EPS (expanded polystyrene) is a cost-effective, durable and energy efficient solution for all types of insulation applications. Type I Benchmark Foam EPS can be used in several applications, including attic insulation, commercial or residential roofing, perimeter insulation, wall insulation and much more.

Benchmark Foam adheres to the strictest industry standards, including ASTM C578, "Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation." If industry standards are not good enough, we create our own - enabling us to exceed typical expectations.

The EPS produced by Benchmark Foam offers advantages in energy efficiency, mold resistance and indoor environmental quality.

**For more information,
call 800-658-3444 or
visit www.BenchmarkFoam.com**

In 1988, we named our company Benchmark Foam because we believed our teamwork, quality and service would be the standard by which other companies in our industry should be measured. We are serious about our customers, our products and our promises, and we diligently strive to surpass our own standards every day.

Quick response is our guarantee.

Benchmark Foam EPS Properties			
Nominal Density ASTM C303		lb/ft ³	1.0
Density, min. ASTM C303		lb/ft ³	0.90
R-Value ¹ Thermal Resistance per 1.0 in thickness ASTM C518	25°F	°F.ft ² .h/Btu	4.35
	40°F	°F.ft ² .h/Btu	4.17
	75°F	°F.ft ² .h/Btu	3.85
k-Value ¹ Thermal Conductivity ASTM C518	25°F	Btu.in/ °F.ft ² .h	0.238
	40°F	Btu.in/ °F.ft ² .h	0.250
	75°F	Btu.in/ °F.ft ² .h	0.277
Compressive Strength @ 10% deformation, min. ASTM D1621		psi	10
Flexural Strength, min. ASTM C203, Procedure B		psi	25
Water Vapor Permeance of 1.0 in. thickness, max., perm ASTM E96			5.0
Water Absorption by total immersion, max., volume % ASTM C272			<4.0
Oxygen Index, min., volume % ASTM D2863			24
Maximum recommended long-term exposure temperature			180°F
Flame Spread ASTM E84			<20
Smoke Development ASTM E84			300