FOAM CONTROL® EPS

Foam-Control® EPS (expanded polystyrene) rigid board foam plastic is for all types of industrial, packaging, and construction uses. Foam-Control EPS is manufactured in conformance with numerous standards.

- ASTM C 578 (Thermal Insulation)
- ASTM E 2430 (EIFS boards)
- ICC ES AC12 (Foam Plastic Insulation)

Foam-Control EPS Properties

Property			ASTM C578						
			Type XI	Type I	Type VIII	Type II	Type IX	Type XIV	Type XV
Nominal Density		lb/ft³ (kg/m³)	0.75 (12)	1.00 (16)	1.25 (20)	1.50 (24)	2.00 (32)	2.50 (40)	3.00 (48)
Density[1], min.		lb/ft³ (kg/m³)	0.70 (12)	0.90 (15)	1.15 (18)	1.35 (22)	1.80 (29)	2.40 (38)	2.85 (46)
Design Thermal Resistance per 1.0 in. thickness	25°F	°F.ft².h/Btu (°K.m²/W)	3.6 (0.63)	4.4 (0.77)	4.6 (0.80)	4.8 (0.84)	5.0 (0.88)	5.0 (0.89)	5.1 (0.90)
	40°F	°F.ft².h/Btu (°K.m²/W)	3.4 (0.60)	4.2 (0.73)	4.3 (0.75)	4.6 (0.81)	4.8 (0.84)	4.8 (0.84)	4.9 (0.85)
	75°F	°F.ft².h/Btu (°K.m²/W)	3.2 (0.57)	3.9 (0.68)	3.9 (0.69)	4.2 (0.73)	4.4 (0.77)	4.4 (0.77)	4.5 (0.78)
Thermal Resistance[1], min per 1.0 in. thickness	25°F	°F.ft².h/Btu (°K.m²/W)	3.5 (0.61)	4.2 (0.74)	4.4 (0.77)	4.6 (0.81)	4.8 (0.84)	4.8 (0.84)	4.9 (0.86)
	40°F	°F.ft².h/Btu (°K.m²/W)	3.3 (0.58)	4.0 (0.70)	4.2 (0.74)	4.4 (0.77)	4.6 (0.81)	4.6 (0.81)	4.7 (0.83)
	75°F	°F.ft².h/Btu (°K.m²/W)	3.1 (0.55)	3.6 (0.63)	3.8 (0.67)	4.0 (0.70)	4.2 (0.74)	4.2 (0.74)	4.3 (0.76)
Compressive Strength[1] @ 10% deformation, min.		psi (kPa)	5.0 (35)	10.0 (69)	13.0 (90)	15.0 (104)	25.0 (173)	40.0 (276)	60.0 (414)
Flexural Strength[1], min.		psi (kPa)	10.0 (69)	25.0 (173)	30.0 (208)	35.0 (242)	50.0 (345)	60.0 (414)	75.0 (517)
Water Vapor Permeance[1] of 1.0 in. thickness, max., perm			5.0	5.0	3.5	3.5	2.5	2.5	2.5
Water Absorption[1] by total immersion, max., volume %			4.0	4.0	3.0	3.0	2.0	2.0	2.0

Foam-Control EPS has a flame spread index of 20 and a smoke developed index of 150-300 when tested in accordance with ASTM E84/UL 723 for densities from 0.7 - 3.6 lb/ft³. Please refer to Foam-Control EPS UL certificates.

[1] See ASTM C578 Standard for test methods and complete information.