

This table outlines a few key physical properties of Foam-Control molded polystyrene insulation in accordance with ASTM C578, “Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation” compared to Foam-Control Geofoam in accordance with ASTM D6817, “Standard Specification for Rigid Cellular Polystyrene Geofoam”.

PRODUCT		FOAM CONTROL 100	FOAM CONTROL 130	FOAM-CONTROL PLUS+ 150	FOAM-CONTROL PLUS+ 250	FOAM-CONTROL PLUS+ 400	FOAM-CONTROL PLUS+ 600	FOAM-CONTROL GEOFOAM EPS15	FOAM-CONTROL GEOFOAM EPS19	FOAM-CONTROL GEOFOAM EPS22	FOAM-CONTROL GEOFOAM EPS29	FOAM-CONTROL GEOFOAM EPS39	FOAM-CONTROL GEOFOAM EPS46
ASTM C578 <sup>2</sup> Compliance, Type		I	VIII	II	IX	XIV	XV						
ASTM D6817 <sup>1</sup> Compliance, Type								EPS15	EPS19	EPS22	EPS29	EPS39	EPS46
Density <sup>1,2</sup> , min., ASTM C303	lb/ft <sup>3</sup> (kg/m <sup>3</sup> )	0.90 (15)	1.15 (18)	1.35 (22)	1.80 (29)	2.40 (38)	3.0 (48)	0.90 (15)	1.15 (18)	1.35 (22)	1.80 (29)	2.40 (38)	2.85 (46)
Compressive Strength @10% <sup>2</sup> , min., ASTM D1621	psi (kPa)	10 (69)	13 (90)	15 (104)	25 (173)	40 (276)	60 (414)						
Compressive Resistance @1% deformation <sup>1</sup> , min., ASTM D1621	psi (kPa)							3.6 (25)	5.8 (40)	7.3 (50)	10.9 (75)	15.0 (103)	18.6 (128)
R-value <sup>2</sup> , Thermal Resistance, per inch, ASTM C518	°F·ft <sup>2</sup> ·h/Btu (°K·m <sup>2</sup> /W)	3.9 (0.68)	3.9 (0.69)	4.2 (0.73)	4.4 (0.77)	4.4 (0.77)	4.5 (0.78)						
Flexural Strength <sup>1,2</sup> , min. ASTM C203	psi (kPa)	25 (173)	30 (208)	35 (242)	50 (345)	60 (414)	75 (517)	25 (172)	30 (207)	35 (240)	50 (345)	60 (414)	75 (517)
Oxygen Index <sup>1,2</sup> , min.	vol. %	24	24	24	24	24	24	24	24	24	24	24	24

<sup>1</sup> Please refer to ASTM D6817 specification for complete information.

<sup>2</sup> Please refer to ASTM C578 specification for complete information.