















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

PRODUCT		 Tru-R Insulation 50	 Tru-R Insulation 100	 Tru-R Insulation 130	 Tru-R Insulation 150	 Tru-R Insulation 250	 Tru-R Insulation 400	 Tru-R Insulation 600	 Tru-R Geofoam Type12	 Tru-R Geofoam Type15	 Tru-R Geofoam Type19	 Tru-R Geofoam Type22	 Tru-R Geofoam Type29	 Tru-R Geofoam Type39	 Tru-R Geofoam Type46
ASTM C578 ² Compliance, Type		XI	I	VIII	II	IX	XIV	XV							
ASTM D6817 ¹ Compliance, Type									EPS12	EPS15	EPS19	EPS22	EPS29	EPS39	EPS46
Density ^{1,2} , min., ASTM C303	lb/ft ³ (kg/m ³)	0.70 (12)	0.90 (15)	1.15 (18)	1.35 (22)	1.80 (29)	2.40 (38)	3.0 (48)	0.70 (11)	0.90 (15)	1.15 (18)	1.35 (22)	1.80 (29)	2.40 (38)	2.85 (46)
Compressive Strength @10% ² , min., ASTM D1621	psi (kPa)	5 (35)	10 (69)	13 (90)	15 (104)	25 (173)	40 (276)	60 (414)							
Compressive Resis- tance @1% deformation ¹ , min., ASTM D1621	psi (kPa)								2.2 (15)	3.6 (25)	5.8 (40)	7.3 (50)	10.9 (75)	15.0 (103)	18.6 (128)
R-value ² , Thermal Resistance, per inch, ASTM C518	°F·ft ² ·h/ Btu	3.2 (0.56)	3.9 (0.68)	3.9 (0.69)	4.2 (0.73)	4.4 (0.77)	4.4 (0.77)	4.5 (0.78)							

¹ Please refer to ASTM D6817 specification for complete information.

² Please refer to ASTM C578 specification for complete information.