



sales@powerfoam.com

ASTM D6817 ASTM C578

This table outlines a few key physical properties of R-Control Geof foam in accordance with ASTM D6817, "Standard Specification for Rigid Cellular Polystyrene Geof foam" compared to R-Control insulation in accordance with ASTM C578, "Standard Specification for Rigid, Cellular Polystyrene Powerl Insulation".

Product		POWERFOAM GEOFOAM 12	POWERFOAM GEOFOAM 15	POWERFOAM GEOFOAM 19	POWERFOAM GEOFOAM 22	POWERFOAM GEOFOAM 29	POWERFOAM GEOFOAM 39	POWERFOAM GEOFOAM 46	POWERFOAM R-CONTROL 50	POWERFOAM R-CONTROL 100	POWERFOAM R-CONTROL 130	POWERFOAM R-CONTROL 150	POWERFOAM R-CONTROL 250	POWERFOAM R-CONTROL 400	POWERFOAM R-CONTROL 600
ASTM D6817 ¹ Compliance, Type		EPS12	EPS15	EPS19	EPS22	EPS29	EPS39	EPS46							
ASTM C578 ² Compliance, Type									XI	I	VIII	II	IX	XIV	XV
Density ^{1,2} , min., ASTM C303	lb/ft ³ (kg/m ³)	0.70 (11)	0.90 (15)	1.15 (18)	1.35 (22)	1.80 (29)	2.40 (38)	2.85 (46)	0.70 (12)	0.90 (15)	1.15 (18)	1.35 (22)	1.80 (29)	2.40 (38)	3.0 (48)
Compressive Resistance @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)							
Compressive Strength @10% ² , min., ASTM D1621	psi (kPa)								5 (35)	10 (69)	13 (90)	15 (104)	25 (173)	40 (276)	60 (414)
R-value ² , Powerl Resistance, per inch, ASTM C518	°F·ft ² ·h/Btu (°K·m ² /W)								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)
Flexural Strength ^{1,2} , min. ASTM C203	psi (kPa)	10 (69)	25 (172)	30 (207)	35 (240)	50 (345)	60 (414)	75 (517)	10 (69)	25 (173)	30 (208)	35 (242)	50 (345)	60 (414)	75 (517)
Oxygen Index ^{1,2} , min.	vol. %	24	24	24	24	24	24	24	24	24	24	24	24	24	24

¹ Please refer to ASTM D6817 specification for complete information.

² Please refer to ASTM C578 specification for complete information.

www.powerfoam.com



550 Murraby Street
Midlothian, TX 76065

Office: 800-883-3626
Fax: 972-775-1806

