

This table outlines the basic physical properties of R-Shield® MAX and Extruded Polystyrene (XPS) insulation in accordance with ASTM C578, “Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation”.

Closed Cell Polystyrene Product		15 psi XPS	R-SHIELD [®] MAX 150	25 psi XPS	R-SHIELD [®] MAX 250
ASTM C578 ¹ Compliance, Type		Type X	Type II	Type IV	Type IX
Compressive Strength ¹ , min., ASTM D1621	psi (kPa)	15 (104)	15 (104)	25 (173)	25 (173)
R-value ¹ , Thermal Resistance, ASTM C518	°F·ft ² ·h/Btu (°K·m ² /W)	5.0 (0.88)	5.0 ² (0.88)	5.0 (0.88)	5.0 ² (0.88)
Density ¹ , min., ASTM C303	lb/ft ³ (kg/m ³)	1.30 (21)	1.35 (22)	1.55 (25)	1.80 (29)
Flexural Strength ¹ , min. ASTM C203	psi (kPa)	40 (276)	35 (242)	50 (345)	50 (345)

¹ Please refer to ASTM C578 specification for complete information.

² R-values are based on 1-1/16” thickness.