

GreenGuard® EXTRUDED POLYSTYRENE INSULATION BOARD DATA SHEET



TYPICAL PHYSICAL PROPERTIES

Property	ASTM	1"	1 1/2"	2"	2 1/2"	3"
Thermal Resistance R-Value¹ (°F-ft ² -h/Btu @ 75°F Mean Temp.)	ASTM C 518	5.0	7.5	10.0	12.5	15.0
Thermal Conductivity K-Value (Btu-in./hr•ft ² •°F @ 75°F Mean Temp.)	ASTM C 518	0.2	0.2	0.2	0.2	0.2
Compressive Strength (min., psi @ 10% Deflection)	ASTM D 1621	25	25	25	25	25
Water Absorption (max., % by Volume)	ASTM C 272	0.1	0.1	0.1	0.1	0.1
Water Vapor Transmission Rate (perm, 75°F, 50%R.H.)	ASTM E 96 Procedure A	<1.0	<1.0	<1.0	<1.0	<1.0
Fire Characteristics² Flame Spread Smoke Developed	ASTM E 84/ UL 723	10 60-200	10 250	10 250	10 250	10 250
Density (min. pcf)	ASTM C 303	1.6	1.8	1.8	1.8	1.8
Product Type	ASTM C 578	1V	1V	1V	1V	1V

¹Specimens were aged and tested in accordance with FTC Rule (16 CFR, Part 460) and ASTM C 578.

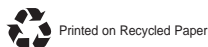
²These numerical flame spread and smoke ratings are not intended to reflect hazards presented by this material under actual fire conditions.

These products should not be used as an exposed interior surface in buildings where people are expected to be present. An approved fire protection barrier, such as 1/2" gypsum wallboard or equivalent material must be used to separate foam plastic insulation from the interior of such buildings. Applicable fire and building codes must be followed.

Since foam sheathings are non-structural, they must be installed over adequately braced framing in accordance with local building codes.

All assemblies should be evaluated for effectiveness and location of vapor retarders to avoid condensation and subsequent damage to structures (see ASHRAE Handbook of Fundamentals).

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Pactiv's GreenGuard Extruded Polystyrene Insulation Board is an ENERGY STAR qualified product as a part of EPA's Home Sealing effort.

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