

## BUILDING PRODUCTS LISTING PROGRAM

Customer: Los Pinos Hardware Co.  
Class: Thermal Insulation – Foam Plastic  
Location: Alton, TX USA

Website: [www.lospinoshardware.com](http://www.lospinoshardware.com)

Listing No. B1145-1  
Effective Date: May 4, 2023  
Last Revised: May 4, 2023  
Expiration: N/A

Standards: ASTM C578 *Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation.*  
ASTM E84 *Standard Test Method for Surface Burning Characteristics of Building Materials.*

Product(s): Los Pinos Hardware Type I Expanded Polystyrene (EPS) Thermal Insulation Products

Markings: Products are labeled with the following information:  
a) Company Name: Los Pinos Hardware  
b) ASTM C578 Type I Compliant.  
c) ASTM E84 Flame Spread Index / Smoke Developed Index (FSI ≤ 25 / SDI ≤ 450)  
d) Traceability code including date of manufacture.  
e) QAI Mark as shown below:



**Labels are applied to palletized finished products to ensure visibility on the jobsite.**

Ratings:

LOS PINOS HARDWARE EPS THERMAL INSULATION TYPES PER ASTM C578	
PROPERTY	TYPE I
Compressive Strength, Minimum @ 10% Deformation (psi)	10.0
Thermal Resistance, Minimum @ 1 inch Thick (F*ft <sup>2</sup> *h/Btu)	3.6
Flexural Strength, Minimum (psi)	25.0
Water Vapor Permeance, @ 1 inch Thickness, Maximum (Perms)	5.0
Water Absorption By Volume, Maximum (%)	4.0
Dimensional Stability Linear Change, Maximum (%)	2.0
Oxygen Index, Minimum (%)	24.0
Density, Minimum (lbs/ft <sup>3</sup> )	0.90

**Los Pinos Hardware Type I EPS thermal insulation has the following surface burning characteristics determined in accordance with ASTM E84.**

TECNOPOL EPS THERMAL INSULATION SURFACE BURNING CHARACTERISTICS PER ASTM E84 <sup>1</sup>				
INSULATION	DENSITY	MAXIMUM THICKNESS	FLAME SPREAD INDEX	SMOKE DEVELOPED INDEX
Type I	Maximum 2.0 lbs/ft <sup>3</sup>	≤ 4 inches	≤ 25	≤ 450

Note 1: Ceiling measurement only. This measurement is conducted through determination of flame spread index and smoke developed index with the removal of any contribution of molten materials ignited on the floor of the tunnel assembly.

**Note:** Final acceptance of the product in the intended application is to be determined by the authority having jurisdiction.

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