

# Thermal Value 1" Glass



Date: February 19, 2015  
 Customer: PDL Building Products  
 Project:  
 Location: North Olmsted, OH

## INSULATING GLASS UNIT PERFORMANCE DATA

Outboard: ID # 3016 1/4" Guardian Clear  
 Air Space: 1 1/2" Spacer, (Air Filled)  
 Inboard: 3016 1/4" Guardian Clear

**Notes**

a  
a  
f

Nominal Thickness: 0.934 Inches

**Performance Properties**

Transmittance

Visible Light  
 Solar Energy  
 Ultraviolet

Reflectance

Visible Light (Exterior)  
 Visible Light (Interior)  
 Solar Energy (Exterior)

Thermal

*Winter Nighttime*  
 U-factor/U-Value

*Summer Daytime*  
 U-factor/U-Value

Shading Coefficient  
 Solar Heat Gain Coefficient  
 Relative Heat Gain

Light to Solar Gain

**COG Results\***

**Units**

80	%
66	%
49	%
15	%
15	%
12	%
0.47	Btu/hr-ft <sup>2</sup> -°F
0.50	Btu/hr-ft <sup>2</sup> -°F
0.84	-
0.73	-
176	Btu/hr-ft <sup>2</sup>
1.10	-

**\*Vertically Glazed Center Of Glass (COG) Results Calculated Using LBNL Window 5.2 Software.**

- Notes: a) NFRC certified spectral data file  
 b) Data generated by Oldcastle BuildingEnvelope™  
 c) Average solar data  
 d) Simulated with LBNL Optics 5.1  
 e) Vendor supplied spectral data file  
 f) Please reference ASTM C1036 and C1172 for allowable glass thickness variations