

Thermal Value 1" Low-E Glass



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

INSULATING GLASS UNIT PERFORMANCE DATA

Outboard:	<u>ID #</u> 3016	1/4" Guardian Clear	Notes a
Air Space:	1	1/2" Spacer, (Air Filled)	a
Inboard:	9924	1/4" Pilkington Energy Advantage™ Low-E #3	f

Nominal Thickness: 0.935 Inches

Performance Properties

	<u>COG Results*</u>	<u>Units</u>
Transmittance	74	%
Visible Light	54	%
Solar Energy	38	%
Ultraviolet		
Reflectance		
Visible Light (Exterior)	17	%
Visible Light (Interior)	16	%
Solar Energy (Exterior)	15	%
Thermal		
<i>Winter Nighttime</i>		
U-factor/U-Value	0.33	Btu/hr-ft ² -°F
<i>Summer Daytime</i>		
U-factor/U-Value	0.33	Btu/hr-ft ² -°F
Shading Coefficient	0.79	-
Solar Heat Gain Coefficient	0.69	-
Relative Heat Gain	163	Btu/hr-ft ²
Light to Solar Gain	1.07	-

***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