

# Thermal Data 1" Glass, Low-E with Argon Gas



Date: February 18, 2015  
 Customer: PDL Building Products  
 Project:  
 Location: North Olmsted, Ohio

## INSULATING GLASS UNIT PERFORMANCE DATA

	ID #		Notes
Outboard:	3016	1/4" Guardian Clear	a
Air Space:	9	1/2" Spacer, (90% Argon Filled)	a
Inboard:	9924	1/4" Pilkington Energy Advantage™ Low-E #3	f

Nominal Thickness: 0.943 Inches

### Performance Properties

	COG Results*	Units
Transmittance	74	%
Visible Light	54	%
Solar Energy	38	%
Ultraviolet		
Reflectance	17	%
Visible Light (Exterior)	16	%
Visible Light (Interior)	15	%
Solar Energy (Exterior)		
Thermal		
Winter Nighttime	0.29	Btu/hr-ft <sup>2</sup> -°F
U-factor/U-Value		
Summer Daytime	0.28	Btu/hr-ft <sup>2</sup> -°F
U-factor/U-Value	0.80	-
Shading Coefficient	0.69	-
Solar Heat Gain Coefficient	163	Btu/hr-ft <sup>2</sup>
Relative Heat Gain	1.07	-
Light to Solar Gain		

\*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