

Belmont Thermal Test Data

This data sheet represents test information for American Window Alliance (AWA) products as manufactured by Alliance Vinyl Windows Co., Inc. as of the date published below.

This supercedes any data found in earlier dated AWA merchandizing brochures.

Description / Type Glass Thickness >>	U - Factor		Solar Heat Gain Coefficient (SHGC)		Visible Light Transmittance (VLT)		Condensation Resistance Factor (CRF)	
	without Grids	with Grids	without Grids	with Grids	without Grids	with Grids	without Grids	with Grids
	<u>SS / DS</u>	<u>SS / DS</u>	<u>SS / DS</u>	<u>SS / DS</u>	<u>SS / DS</u>	<u>SS / DS</u>	<u>SS / DS</u>	<u>SS / DS</u>
Double Hung (Equal Lite)								
- Clear Glass	0.45 / 0.45	0.45 / 0.45	0.60 / 0.59	0.54 / 0.53	0.63 / 0.62	0.56 / 0.55	46 / 45	46 / 45
- With Low-e & Argon *	0.28 / 0.27	0.28 / 0.27	0.28 / 0.28	0.25 / 0.25	0.53 / 0.53	0.48 / 0.47	62 / 61	62 / 61
Double Hung (Unequal Lite)								
- Clear Glass	0.45 / 0.45	0.45 / 0.45	0.62 / 0.61	0.56 / 0.55	0.65 / 0.64	0.58 / 0.57	46 / 45	46 / 45
- With Low-e & Argon *	0.28 / 0.27	0.28 / 0.27	0.29 / 0.29	0.26 / 0.26	0.55 / 0.55	0.49 / 0.49	62 / 61	62 / 61
Single Hung								
- Clear Glass	0.45 / 0.45	0.45 / 0.45	0.63 / 0.61	0.56 / 0.55	0.65 / 0.65	0.58 / 0.58	46 / 45	46 / 45
- With Low-e & Argon *	0.28 / 0.27	0.28 / 0.27	0.29 / 0.29	0.26 / 0.26	0.55 / 0.55	0.49 / 0.49	63 / 62	63 / 62
Single Slider								
- Clear Glass	0.45 / 0.45	0.45 / 0.45	0.62 / 0.61	0.56 / 0.55	0.65 / 0.64	0.58 / 0.57	46 / 46	46 / 46
- With Low-e & Argon *	0.27 / 0.27	0.27 / 0.27	0.29 / 0.29	0.26 / 0.26	0.55 / 0.55	0.49 / 0.49	63 / 63	63 / 63
Double Slider								
- Clear Glass	0.45 / 0.44	0.45 / 0.44	0.61 / 0.59	0.54 / 0.53	0.63 / 0.62	0.56 / 0.56	46 / 45	46 / 45
- With Low-e & Argon	0.27 / 0.27	0.27 / 0.27	0.28 / 0.28	0.26 / 0.25	0.54 / 0.53	0.48 / 0.47	62 / 62	62 / 62
Casement								
- Clear Glass	0.42 / 0.42	0.42 / 0.42	0.58 / 0.57	0.53 / 0.52	0.60 / 0.60	0.55 / 0.54	45 / 45	45 / 45
- With Low-e & Argon	0.26 / 0.26	0.26 / 0.26	0.27 / 0.27	0.25 / 0.25	0.51 / 0.51	0.47 / 0.46	62 / 62	62 / 62
Fixed Casement								
- Clear Glass	0.44 / 0.44	0.44 / 0.44	0.65 / 0.64	0.59 / 0.58	0.68 / 0.68	0.61 / 0.60	45 / 45	45 / 45
- With Low-e & Argon	0.26 / 0.26	0.26 / 0.26	0.31 / 0.30	0.28 / 0.28	0.58 / 0.58	0.52 / 0.52	62 / 62	62 / 62
Awning								
- Clear Glass	0.43 / 0.43	0.42 / 0.42	0.58 / 0.57	0.53 / 0.52	0.60 / 0.60	0.55 / 0.54	44 / 45	44 / 45
- With Low-e & Argon	0.26 / 0.26	0.26 / 0.26	0.27 / 0.27	0.25 / 0.25	0.51 / 0.51	0.47 / 0.46	58 / 58	58 / 58
Picture								
- Clear Glass	0.46 / 0.45	0.46 / 0.45	0.65 / 0.64	0.59 / 0.58	0.68 / 0.67	0.61 / 0.60	46 / 46	46 / 46
- With Low-e & Argon	0.27 / 0.27	0.27 / 0.27	0.31 / 0.31	0.28 / 0.28	0.58 / 0.57	0.52 / 0.51	64 / 63	64 / 63
Patio Door								
- Clear Glass	NA / 0.46	NA / 0.46	0.64	0.56	0.67	0.59	44	44
- With Low-e & Argon	NA / 0.27	NA / 0.27	0.30	0.27	0.57	0.50	61	61

Numbers in bold type meet 2017 Energy Star criteria for the North-Central and/or Northern zones.

* For asterisked items, **Single Strength** glass meets Energy Star for the **North-Central zone** and **Double Strength** glass meets Energy Star for the **Northern and North-Central Zones.**