

**U-factor** measures temperatures ability to conduct through material. A lower U-factor means a warmer window.

**SHGC** (Solar Heat Gain Coefficient) measures the amount of FREE solar energy allowed to pass through the glass. **In heating dominated climates, a higher SHGC results in 5 - 7% less overall heating and cooling costs.**

**Visible Transmittance** refers to the amount of visible light allowed to pass through glass. The lower the number, the darker the outside world appears.

**CRF** (Condensation Resistance Factor) the higher the number, the better the window is at resisting condensation. Notice how our CRF #'s are higher than most? **Even those windows with lower U-factors and foam filled frames and sashes aren't as good at protecting against condensation.**

**TAX CREDIT GLASS** is made of low solar gain Low E on the 2nd surface of glass with Argon Gas filling. It qualifies for the tax credit because it achieves a .30/.30 rating, **but it's NOT the best for heating dominated climates.**

**Michigan Glass** is high solar gain Low E on the 3rd surface of glass with Argon Gas filling. **Although it doesn't qualify for the tax credit, it outperforms TAX CREDIT glass in the North.**

Type	Style	TAX CREDIT GLASS U-factor	TAX CREDIT GLASS SHGC	TAX CREDIT GLASS Visible Transmittance	TAX CREDIT GLASS CRF	Michigan Glass U-factor	Michigan Glass SHGC	Michigan Glass Visible Transmittance	Michigan Glass CRF
Royal Seal, Split Color and Royal Wood Family of products	Double Hung, Swing Slider & Hopper	0.29	0.27	0.51	57	0.32	0.54	0.55	57
	Lift-out Slider	0.28	0.28	0.52	60	0.31	0.56	0.56	58
	Casement	0.28	0.26	0.49	63	0.32	0.52	0.53	58
	Awning	0.27	0.26	0.49	58	0.32	0.52	0.53	54
	Picture Window	0.26	0.30	0.57	61	0.31	0.60	0.62	56
	Patio Door	0.28	0.28	0.52	62	0.32	0.57	0.58	57
Tech 2	Double Hung & Hopper	0.30	0.28	0.54	56	No certified testing available for Tech 2 & Vyniline products with Michigan Glass, HOWEVER, the numbers are very similar to those above. Windows made out of vinyl and glass tend to have the same thermal conductivity and solar heat gain numbers as windows made out of the same vinyl and glass.			
	Lift-out Slider	0.30	0.28	0.53	57				
Vyniline	Single hung & hopper	0.30	0.29	0.56	57				
	Lift-out Slider	0.30	0.29	0.55	57				
	Picture Window	0.29	0.30	0.58	59				
Triple pane glass in Royal Seal DOUBLE HUNG:		3 ply single soft coat argon	3 ply single soft coat krypton	3 ply double soft coat argon	3 ply double soft coat krypton				
		U / SHGC .29 / .32	.24 / .33	.25 / .25	.20 / .25	.31 / .48	.27 / .49	.28 / .43	.23 / .43