

## Conduction

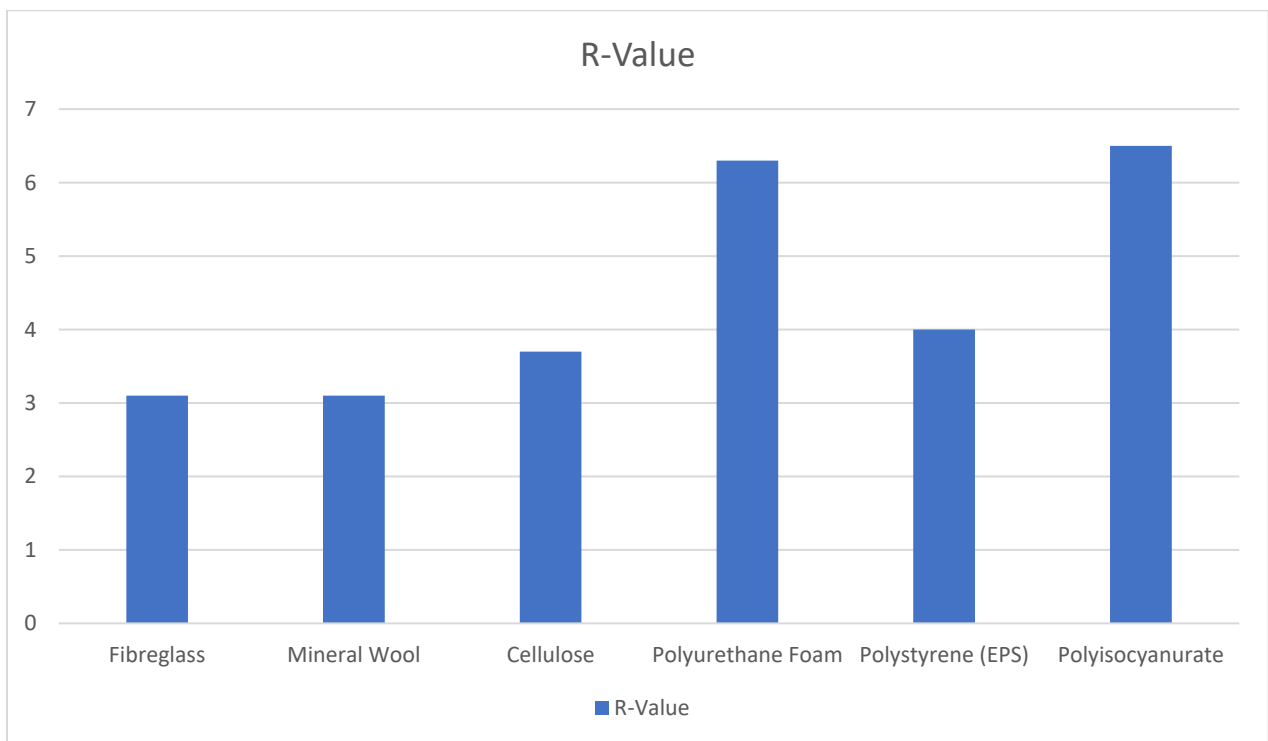
Ayotunde Ogunmoyero

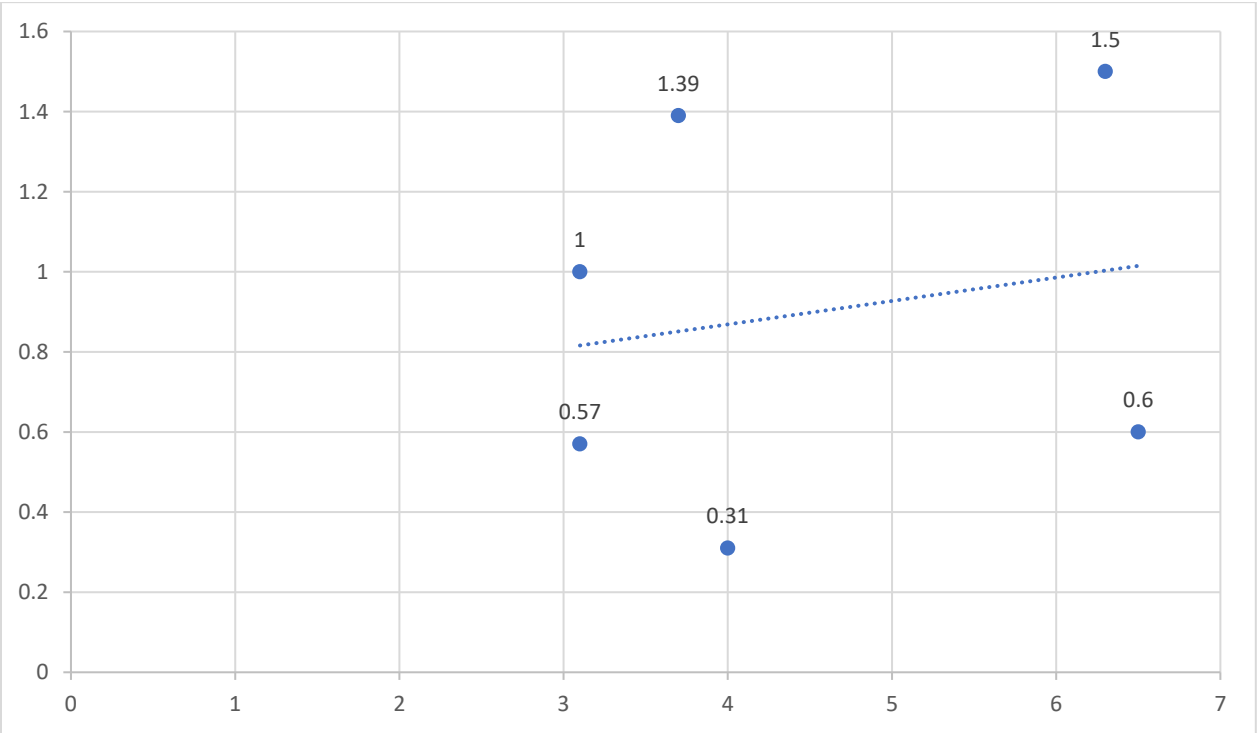
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### INSULATION MATERIAL

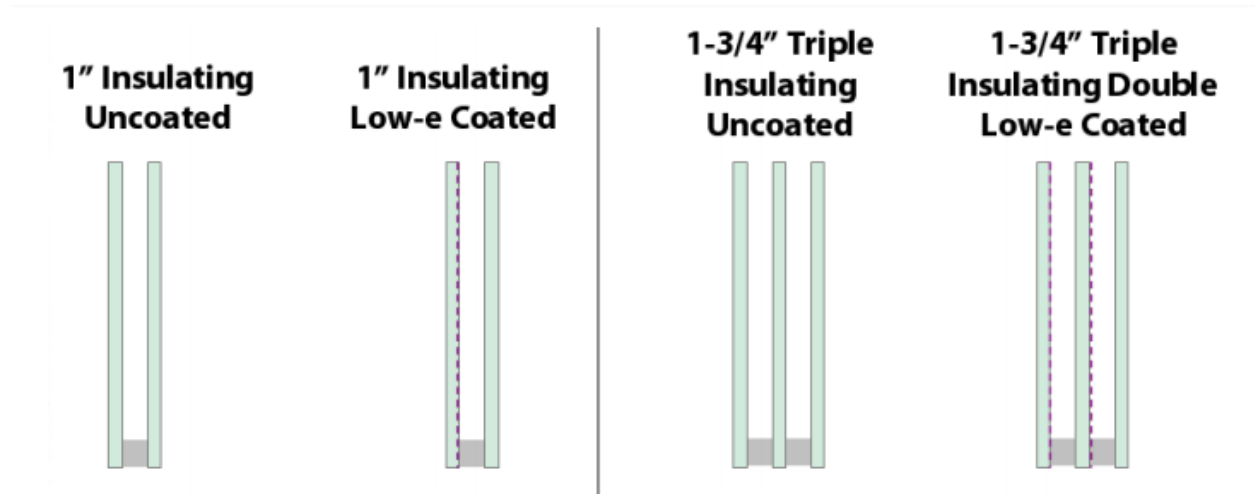
Insulation Material	R-Value/Inch	Price/SqFt. At 1-inch thickness
Fibreglass	R-3.1	57 cents
Mineral Wool	R-3.1	\$1
Cellulose	R-3.7	\$1.39
Polyurethane Foam	R-6.3	\$1.50
Polystyrene (EPS)	R-4	31 cents
Polyisocyanurate (polyiso)	R-6.5	60 cents





The Scatter point graph clearly shows that there's a correlation between price and R-value. As one goes up, the other also goes up.

## WINDOW ASSEMBLY



Window Assembly	U-Value of center of glass	U-Value of frame
1" Insulating Uncoated	0.47	0.86
1" Insulating Low-e Coated	0.29	0.85
1-3/4" Triple Insulating Uncoated	0.30	0.71
1-3/4" Triple Insulating Double Low-e Coated	0.16	0.69

The U-value of the window assembly is usually higher than the U-value of the center of glass because the high U-value of the frame makes the U-value of the assembly higher.