

**GLASS-CONDUCTANCE**

The conductance of the glazing, excluding the outside air film coefficient. The conductance given in glass manufacturers' data sheets usually includes the outside air film resistance for a wind speed of 7.5 mph (summer) or 15 mph (winter). [Table 10](#) can be used to obtain the corresponding value of GLASS-CONDUCTANCE. For example, if  $U(7.5 \text{ mph}) = 0.64 \text{ Btu/ft}^2\text{-hr-F}$ , then  $\text{GLASS-CONDUCTANCE} = 0.79$  (by interpolation). For U-values of different glazing types, see manufacturers' data sheets or the ASHRAE 1989 Handbook of Fundamentals, p. 27.16-17.

Table 10

*Correspondence between Glass manufacturers U-value and GLASS-CONDUCTANCE (excluding outside air film) [all values are in Btu/ft<sup>2</sup>-hr-F (W/m<sup>2</sup>-K)]*

<b>U-Value</b> (including outside air film)	<b>GLASS CONDUCTANCE</b>	
	(7.5 mph wind speed)	(15 mph wind speed)
0.1 (0.57)	0.10 (0.57)	0.10 (0.57)
0.2 (1.14)	0.21 (1.19)	0.21 (1.19)
0.3 (1.70)	0.33 (1.87)	0.32 (1.82)
0.4 (2.27)	0.45 (2.56)	0.43 (2.44)
0.5 (2.84)	0.59 (3.35)	0.55 (3.12)
0.6 (3.41)	0.73 (4.14)	0.68 (3.86)
0.7 (3.97)	0.89 (5.05)	0.81 (4.60)
0.8 (4.54)	1.05 (5.96)	0.95 (5.39)
0.9 (5.11)	1.23 (6.98)	1.09 (6.19)
1.0 (5.68)	1.43(8.12)	1.24 (7.04)
1.1 (6.25)	1.64 (9.31)	1.40 (7.95)
1.2 (6.81)	1.87 (10.62)	1.57 (8.91)
1.3 (7.38)	2.13 (12.09)	1.74 (9.88)