

Wind Chill

Wind (mph)

| | Calm | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 |
|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 40 | 36 | 34 | 32 | 30 | 29 | 28 | 28 | 27 | 26 | 26 | 25 | 25 | 25 |
| 35 | 31 | 27 | 25 | 24 | 23 | 22 | 21 | 20 | 19 | 19 | 18 | 17 | 17 |
| 30 | 25 | 21 | 19 | 17 | 16 | 15 | 14 | 13 | 12 | 12 | 11 | 10 | 10 |
| 25 | 19 | 15 | 13 | 11 | 9 | 8 | 7 | 6 | 5 | 4 | 4 | 3 | 3 |
| 20 | 13 | 9 | 6 | 4 | 3 | 1 | 0 | -1 | -2 | -3 | -3 | -4 | -4 |
| 15 | 7 | 3 | 0 | -2 | -4 | -5 | -7 | -8 | -9 | -10 | -11 | -11 | -11 |
| 10 | 1 | -4 | -7 | -9 | -11 | -12 | -14 | -15 | -16 | -17 | -18 | -19 | -19 |
| 5 | -5 | -10 | -13 | -15 | -17 | -19 | -21 | -22 | -23 | -24 | -25 | -26 | -26 |
| 0 | -11 | -16 | -19 | -22 | -24 | -26 | -27 | -29 | -30 | -31 | -32 | -33 | -33 |
| -5 | -16 | -22 | -26 | -29 | -31 | -33 | -34 | -36 | -37 | -38 | -39 | -40 | -40 |
| -10 | -22 | -28 | -32 | -35 | -37 | -39 | -41 | -43 | -44 | -45 | -46 | -48 | -48 |
| -15 | -28 | -35 | -39 | -42 | -44 | -46 | -48 | -50 | -51 | -52 | -54 | -55 | -55 |
| -20 | -34 | -41 | -45 | -48 | -51 | -53 | -55 | -57 | -58 | -60 | -61 | -62 | -62 |
| -25 | -40 | -47 | -51 | -55 | -58 | -60 | -62 | -64 | -65 | -67 | -68 | -69 | -69 |
| -30 | -46 | -53 | -58 | -61 | -64 | -67 | -69 | -71 | -72 | -74 | -75 | -76 | -76 |
| -35 | -52 | -59 | -64 | -68 | -71 | -73 | -76 | -78 | -79 | -81 | -82 | -84 | -84 |
| -40 | -57 | -66 | -71 | -74 | -78 | -80 | -82 | -84 | -86 | -88 | -89 | -91 | -91 |
| -45 | -63 | -72 | -77 | -81 | -84 | -87 | -89 | -91 | -93 | -95 | -97 | -98 | -98 |

Frostbite occurs in 15 minutes or less

$$\text{Wind Chill (}^{\circ}\text{F)} = 35.74 + 0.6215T - 35.75(V^{0.16}) + 0.4275T(V^{0.16})$$

Where, T = Air Temperature ($^{\circ}\text{F}$)

V = Wind Speed (mph)