



## NSG TEC™

Thickness	NSG TEC™ 6	NSG TEC™ 10		NSG TEC™ 15		NSG TEC™ 20		NSG TEC™ 70	NSG TEC™ 250
	4 mm	4 mm	6 mm	4 mm	6 mm	4 mm	6 mm	4 mm	4 mm
Emissivity, $\epsilon$ (EN 12898)	0,10 ( $\pm 0,01$ )	0,11 ( $\pm 0,01$ )	0,11 ( $\pm 0,01$ )	0,13 ( $\pm 0,01$ )	0,13 ( $\pm 0,01$ )	0,19 ( $\pm 0,01$ )	0,19 ( $\pm 0,01$ )	0,44 ( $\pm 0,02$ )	0,71 ( $\pm 0,01$ )
Transmission Visible, LT, % (EN 410)	81,0 ( $\pm 1,2$ )	83,2 ( $\pm 1,2$ )	82,7 ( $\pm 1,2$ )	83,2 ( $\pm 1,2$ )	82,7 ( $\pm 1,2$ )	84,0 ( $\pm 1,2$ )	83,5 ( $\pm 1,2$ )	84,5 ( $\pm 1,2$ )	86,0 ( $\pm 1,2$ )
Haze, %	< 1,5	< 1,0	< 1,0	< 0,8	< 0,8	< 0,5	< 0,5	< 0,4	< 0,5
Typical Haze, % around	1,2	0,6	0,6	0,4	0,4	0,4	0,4	0,25	0,4
Sheet Resistance, $\Omega/\square$	< 7,0	< 11,0	< 11,0	< 14,0	< 14,0	< 20	< 20	< 75	< 325
Typical Sheet Resistance, $\Omega/\square$ around	6	10	10	13,0	13,0	19	19	65	240
Direct Energy Transmission, ET, %	66	71	68	73	71	75	73	79	78
Energy Reflection (outside), $ER_o$ , %	10	11	10	11	11	11	11	12,5	12
Energy Reflection (inside), $ER_i$ , %	11	12	11	12	12	12	12	13	14
Total Energy Absorption, EA, %	24	18	22	16	18	14	16	8,5	10
Solar Factor, g, %	70	75	72	77	75	78	75	80,5	79
Total Shading Coefficient, TSC	0,81	0,85	0,82	0,87	0,85	0,9	0,88	0,93	0,92
UV Transmission, UV, %	46	54	49	55	51	56	52	56	55
Color Rendering RD65, $R_a$	99	99	99	99	99	98	98	99	99
$U_g$ -value, W/m <sup>2</sup> K	3,5	3,6	3,6	3,7	3,7	3,8	3,8	4,6	5,3

The technical data are calculated according DIN EN 410 / DIN EN 673 / DIN EN 12898.

The above performance data should be considered representative. There may be differences within a single production run or from one production run to another, but these are subject to manufacturing tolerances.

The data presented in this data sheet is related to the as supplied product. Some values, such as sheet resistance, may change after the tempering process depending on tempering conditions.

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