



Performance results	4mm single	4mm double
Solar energy		
% Transmittance	77	63
% Absorptance	15	24
% Reflectance	8	13
Visible light		
% Transmittance	89	80
% Reflectance exterior	10	16
% Reflectance interior	9	16
Emissivity	.90	.90
Winter U-Factor (W/m ² °C)	5.87	2.71
Shading coefficient	.93	.81
Solar heat gain coefficient	.81	.71
Solar selectivity index - luminous efficacy (VLT/SC)	.95	.98
Light to solar heat gain factor (VLT/SHGC)	1.09	1.13
% Ultraviolet light blocked (@ 300 to 380 nm)	>99	>99
% Total solar energy rejected	19	29
% Summer solar heat gain reduction	4	4
% Glare reduction	1	1

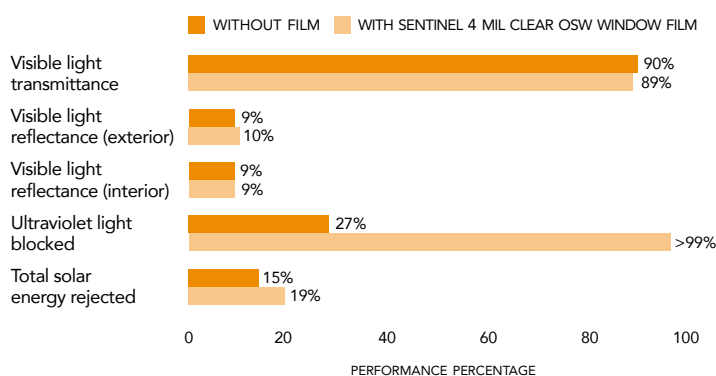
Physical properties nominal

Gauge	100 microns
Peel strength	>985 g/cm
Tensile strength	2,100 kg/cm ²
Break strength	22 kg/cm
ASTM D4830 puncture test	32 kg
Melting point	260 – 265°C



Film performance

Performance results were generated from testing 4mm thick clear glass.



All performance results are based on the film installed on the outside surface of 4mm and 4mm+4mm thick, clear glass.

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Notes

- Solar Gard is a participating member of AIMCAL (the Association of Industrial Metallizers, Coaters and Laminators), IWFA, and EWFA. Performance results are calculated using NFRC methodology and LBNL Window 5.2 software, and are subject to variations within industry standards and only intended for estimating purposes.
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- Performance results for summer solar heat gain reduction and glare reduction are calculated by comparing filmed glass to that of untreated glazing.

