



HP Charcoal

It's all about performance.



% Visible light transmittance @ 550nm	50
% Visible light reflectance out	11
% Ultraviolet (UVA/UVB) rejected	>98
Sun protection factor (SPF) (All Solar Gard® films offer 285+ SPF)	285+
% Total solar energy rejected	40

For information on the calculation method of published specifications please refer to the final pages of this booklet.



% Visible light transmittance @ 550nm	43
% Visible light reflectance out	14
% Ultraviolet (UVA/UVB) rejected	>98
Sun protection factor (SPF) (All Solar Gard® films offer 285+ SPF)	285+
% Total solar energy rejected	50

For information on the calculation method of published specifications please refer to the final pages of this booklet.



% Visible light transmittance @ 550nm	36
% Visible light reflectance out	12
% Ultraviolet (UVA/UVB) rejected	>98
Sun protection factor (SPF) (All Solar Gard® films offer 285+ SPF)	285+
% Total solar energy rejected	53

For information on the calculation method of published specifications please refer to the final pages of this booklet.



% Visible light transmittance @ 550nm	32
% Visible light reflectance out	10
% Ultraviolet (UVA/UVB) rejected	>98
Sun protection factor (SPF) (All Solar Gard® films offer 285+ SPF)	285+
% Total solar energy rejected	53

For information on the calculation method of published specifications please refer to the final pages of this booklet.



% Visible light transmittance @ 550nm	22
% Visible light reflectance out	7
% Ultraviolet (UVA/UVB) rejected	>98
Sun protection factor (SPF) (All Solar Gard® films offer 285+ SPF)	285+
% Total solar energy rejected	55

For information on the calculation method of published specifications please refer to the final pages of this booklet.



% Visible light transmittance @ 550nm	13
% Visible light reflectance out	5
% Ultraviolet (UVA/UVB) rejected	>98
Sun protection factor (SPF) (All Solar Gard® films offer 285+ SPF)	285+
% Total solar energy rejected	57

For information on the calculation method of published specifications please refer to the final pages of this booklet.



% Visible light transmittance @ 550nm	6
% Visible light reflectance out	4
% Ultraviolet (UVA/UVB) rejected	>98
Sun protection factor (SPF) (All Solar Gard® films offer 285+ SPF)	285+
% Total solar energy rejected	58

For information on the calculation method of published specifications please refer to the final pages of this booklet.



SOLAR ENERGY TECHNICAL DEFINITIONS

Visible light transmittance

The percent of total visible light that is transmitted through the window film/glass system. The lower the number, the less visible light transmitted.

Visible light reflectance out

The percent of total visible light that is reflected by the window film/glass system. The lower the number, the less visible light reflected.

Ultraviolet rejected

The percent of ultraviolet (UV) that is blocked by the window film/glass system. The higher the number, the less UV transmitted.

Sun protection factor

The SPF rating is a measure of the protection from UVB ultraviolet radiation caused by exposure to the sun. It is calculated by comparing the amount of time needed to produce a sunburn on protected skin to the amount of time needed to cause a sunburn on unprotected skin. Solar Gard window films block up to 99% of both UVA and UVB.

Total solar energy rejected

The percent of total solar energy (heat) rejected by the window film/glass system. The higher the number, the more total solar energy (heat) rejected.

PERFORMANCE NOTES

Performance results were generated with LBNL Windows 5.2 using 1/8" (3mm) clear glass and have been measured, calculated and reported in accordance with ASTM, ASHRAE and AIMCAL standards. Solar Gard® is a participating member of AIMCAL and the IWFA.

Performance results are subject to variations within industry standards and should be used for comparative purposes only.

Important: Solar Gard is not responsible for automotive window film installation compliance with the laws of your state, or the laws of any other state where the vehicle may be utilized. You must therefore determine whether such window film is in compliance with any such laws. **Do not install any window film product in violation of any law.**


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