

Charcool[®] 5

Automotive Film Series

Performance Data:

Transmitted	7%	% Visible Light
Reflected	5%	
Glare Reduction	92%	
Transmitted	48%	% Total Solar Energy
Reflected	6%	
Absorbed	46%	
Shading Coefficient (SC)	0.71	
Solar Heat Gain Coefficient (SHGC)	0.62	
U Factor	1.02	
UV Rejection	≥ 99%	
Total Solar Energy Rejected (TSER)	38%	
IR Rejection*	26%	
Infrared Energy Rejection (IRER)	21%	

Read in accordance with National Fenestration Rating Council (NFRC) standards and calculated on single pane 6mm (1/4") clear glass.

*IR Rejection is tested in the IR range of 780 to 2500 nanometers.

Reported values are typical properties and should not be used as a specification. Since only the user is aware of the specific conditions in which the product is to be used, it is the user's responsibility to determine whether the product is suitable for that intended use. If the specific conditions of use are critically dependent on any of the properties of the product, or if you need further information, contact Madico, Inc. or your local Madico film dealer.



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Charcool[®] 20

Automotive Film Series

Performance Data:

Transmitted	16%	% Visible Light
Reflected	5%	
Glare Reduction	82%	
Transmitted	52%	% Total Solar Energy
Reflected	6%	
Absorbed	42%	
Shading Coefficient (SC)	0.75	
Solar Heat Gain Coefficient (SHGC)	0.65	
U Factor	1.03	
UV Rejection	≥ 99%	
Total Solar Energy Rejected (TSER)	35%	
IR Rejection*	26%	
Infrared Energy Rejection (IRER)	20%	

Read in accordance with National Fenestration Rating Council (NFRC) standards and calculated on single pane 6mm (1/4") clear glass.

*IR Rejection is tested in the IR range of 780 to 2500 nanometers.

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Charcool[®] 35

Automotive Film Series

Performance Data:

Transmitted	36%	% Visible Light
Reflected	6%	
Glare Reduction	60%	
Transmitted	59%	% Total Solar Energy
Reflected	6%	
Absorbed	34%	
Shading Coefficient (SC)	0.80	
Solar Heat Gain Coefficient (SHGC)	0.70	
U Factor	1.03	
UV Rejection	≥ 99%	
Total Solar Energy Rejected (TSER)	30%	
IR Rejection*	26%	
Infrared Energy Rejection (IRER)	21%	

Read in accordance with National Fenestration Rating Council (NFRC) standards and calculated on single pane 6mm (1/4") clear glass.

*IR Rejection is tested in the IR range of 780 to 2500 nanometers.

Reported values are typical properties and should not be used as a specification. Since only the user is aware of the specific conditions in which the product is to be used, it is the user's responsibility to determine whether the product is suitable for that intended use. If the specific conditions of use are critically dependent on any of the properties of the product, or if you need further information, contact Madico, Inc. or your local Madico film dealer.



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Charcool[®] 42

Automotive Film Series

Performance Data:

Transmitted	40%	% Visible Light
Reflected	6%	
Glare Reduction	55%	
Transmitted	61%	% Total Solar Energy
Reflected	6%	
Absorbed	33%	
Shading Coefficient (SC)	0.82	
Solar Heat Gain Coefficient (SHGC)	0.71	
U Factor	1.03	
UV Rejection	≥ 99%	
Total Solar Energy Rejected (TSER)	29%	
IR Rejection*	26%	
Infrared Energy Rejection (IRER)	20%	

Read in accordance with National Fenestration Rating Council (NFRC) standards and calculated on single pane 6mm (1/4") clear glass.

*IR Rejection is tested in the IR range of 780 to 2500 nanometers.

Reported values are typical properties and should not be used as a specification. Since only the user is aware of the specific conditions in which the product is to be used, it is the user's responsibility to determine whether the product is suitable for that intended use. If the specific conditions of use are critically dependent on any of the properties of the product, or if you need further information, contact Madico, Inc. or your local Madico film dealer.



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Charcool[®] 55

Automotive Film Series

Performance Data:

Transmitted	48%	% Visible Light
Reflected	6%	
Glare Reduction	46%	
Transmitted	64%	% Total Solar Energy
Reflected	7%	
Absorbed	30%	
Shading Coefficient (SC)	0.84	
Solar Heat Gain Coefficient (SHGC)	0.73	
U Factor	1.03	
UV Rejection	≥ 99%	
Total Solar Energy Rejected (TSER)	27%	
IR Rejection*	26%	
Infrared Energy Rejection (IRER)	20%	

Read in accordance with National Fenestration Rating Council (NFRC) standards and calculated on single pane 6mm (1/4") clear glass.

*IR Rejection is tested in the IR range of 780 to 2500 nanometers.

Reported values are typical properties and should not be used as a specification. Since only the user is aware of the specific conditions in which the product is to be used, it is the user's responsibility to determine whether the product is suitable for that intended use. If the specific conditions of use are critically dependent on any of the properties of the product, or if you need further information, contact Madico, Inc. or your local Madico film dealer.



Charcool[®] 56

Automotive Film Series

Performance Data:

Transmitted	53%	% Visible Light
Reflected	6%	
Glare Reduction	41%	
Transmitted	64%	% Total Solar Energy
Reflected	6%	
Absorbed	29%	
Shading Coefficient (SC)	0.84	
Solar Heat Gain Coefficient (SHGC)	0.74	
U Factor	1.03	
UV Rejection	≥ 99%	
Total Solar Energy Rejected (TSER)	27%	
IR Rejection*	26%	
Infrared Energy Rejection (IRER)	20%	

Read in accordance with National Fenestration Rating Council (NFRC) standards and calculated on single pane 6mm (1/4") clear glass.

*IR Rejection is tested in the IR range of 780 to 2500 nanometers.

Reported values are typical properties and should not be used as a specification. Since only the user is aware of the specific conditions in which the product is to be used, it is the user's responsibility to determine whether the product is suitable for that intended use. If the specific conditions of use are critically dependent on any of the properties of the product, or if you need further information, contact Madico, Inc. or your local Madico film dealer.

