AUTOMOTIVE FILM SPECIFICATIONS R

Film Mounted on 1/4" Clear Glass

All of	Johnson	Automotive	Window	Films	reiect	99% c	or more	of harn	nful UV	ravs.

Insulation CLEAR GLASS 88% 18% 8% 0.94 0.82 0% N/A INSULATION DUPERIOR INFRARED REJECTION IR 85 82% 31% 9% 0.78 0.69 7% 52% 1 IN 80 76% 42% 8% 0.67 0.58 14% 56% 15% 1 18 56% 55% 0.50 25% 61% 1 18 56% 55% 0.50 63% 66% 0.59 0.51 48% 66% 18% 75% 18 55% 0.50 63% 66% 18% 75% 18 55% 0.50 0.44 93% 77% 18 MIGH-PERFORMANCE FILMS MN 45 46% 42% 8% 0.67 0.58 48% 64% 44% 66% 18% 77% 18 66% 66% 18 18 18 55% 0.50 0.44 93% 77% 18 66% 18 18 18	I/A N/A 80-2500 n 3% 60° 5% 80° 3% 6% 80° 5% 5% 79° 5% 5% 80° 5% 5% 79° 5% 5% 80° 5% 1% 54° 54°
$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	80-2500 n 3% 60% 5% 80% 4% 93% 6% 80% 5% 79% 5% 79% 5% 79% 5% 80%
IR 85 82% 31% 9% 0.78 0.69 7% 52% IR 80 76% 42% 8% 0.67 0.58 14% 56% IR 70 66% 50% 7% 0.56 0.50 25% 61% IR 45 45% 49% 6% 0.59 0.51 48% 66% IR 35 32% 50% 6% 0.58 0.50 63% 69% IR 35 32% 50% 6% 0.52 0.46 81% 74% IR 05 6% 56% 5% 0.50 0.54 83% 66% MN 35 37% 43% 7% 0.66 0.57 58% 66% 66% 7% 7% 7% 7% IGH-PERFORMANCE FILMS MN 35 37% 43% 7% 0.66 0.57 58% 66% 7% 7% 7% 7% 7% 7% 7% 7% 7% 7% 7% 7% 7% 7% 7% 7% 7% 7% 7%	3% 60° 5% 80° 4% 93° 6% 80° 5% 79° 5% 79° 6% 80°
IR 80 76% 42% 8% 0.67 0.58 14% 56% IR 70 66% 50% 7% 0.56 0.50 25% 61% 1 IR 45 45% 49% 6% 0.59 0.51 48% 66% 1 IR 35 32% 50% 6% 0.52 0.64 81% 74% 1 IR 20 17% 55% 5% 0.50 0.44 93% 77% 1 MN 45 46% 42% 8% 0.67 0.58 48% 64% 4 IR 30 37% 43% 7% 0.66 0.57 58% 66%	5% 80° 4% 93° 6% 80° 5% 79° 5% 79° 6% 80° 1% 54°
IR 70 66% 50% 7% 0.56 0.50 25% 61% 1 IR 45 45% 49% 6% 0.59 0.51 48% 66% 0 IR 35 32% 50% 6% 0.58 0.50 63% 69% 0 IR 35 32% 50% 6% 0.50 0.46 81% 74% 0 IR 05 6% 56% 5% 0.50 0.44 93% 77% MN 45 46% 42% 8% 0.67 0.58 48% 64% 6% 7% MN 35 37% 43% 7% 0.66 0.57 58% 66% <	4% 93° 6% 80° 5% 79° 6% 80° 1% 54°
IR 45 45% 49% 6% 0.59 0.51 48% 66% 1 IR 35 32% 50% 6% 0.58 0.50 63% 69% 1 IR 20 17% 54% 5% 0.52 0.46 81% 74% 1 IR 05 6% 56% 5% 0.50 0.44 93% 77% 1 MATATHON. IR 05 6% 42% 8% 0.67 0.58 48% 66% 1 IGH-PERFORMANCE FILMS MN 35 37% 43% 7% 0.66 0.57 58% 66%	6% 809 5% 799 5% 799 6% 809
UPERIOR INFRARED REJECTION IR 35 32% 50% 6% 0.58 0.50 63% 69% I IR 20 17% 54% 5% 0.52 0.46 81% 74% I IR 05 6% 56% 5% 0.50 0.44 93% 77% I MM 45 46% 42% 8% 0.67 0.58 48% 64% I MM 35 37% 43% 7% 0.66 0.57 58% 66% I IGH-PERFORMANCE FILMS MN 30 30% 45% 6% 0.64 0.55 66% 68% I IGH-PERFORMANCE FILMS MN 15 12% 58% 5% 0.52 0.49 86% 76% I NO 5 5% 60% 6% 0.47 0.40 94% 78% I IGH-PERFORMANCE FILMS RN 50 49% 31% 6% 0.75 0.66 52% 63% I RN 05 5% 60% 0.75 0.65 59% 64% I	5% 799 5% 799 6% 809
IR 20 17% 54% 5% 0.52 0.46 81% 74% 1 IR 05 6% 56% 5% 0.50 0.44 93% 77% 0 MM 45 46% 42% 8% 0.67 0.58 48% 64% 64% 66% <	5% 799 6% 809
IR 05 6% 56% 5% 0.50 0.44 93% 77% MN 45 46% 42% 8% 0.67 0.58 48% 64% 43% MN 35 37% 43% 7% 0.66 0.57 58% 66% 76% 72% 73% 73%	6% 809 1% 549
MN 45 46% 42% 8% 0.67 0.58 48% 64% 9 IGH-PERFORMANCE FILMS MN 35 37% 43% 7% 0.66 0.57 58% 66% 66% 66% 66% 66% 66% 66% 66% 66% 66% 66% 66% 66% 66% 66% 66% 66% 66% 66% 77% 72% 3 7% 0.66 0.57 58% 66% 66% 77% 72% 3 7% 72% 3 66% 0.50 77% 72% 3 7% 76% 9 66% 76% 66% 76% 78% 9 3 7% 66% 0.47 0.40 94% 78% 3	1% 54%
MN 35 37% 43% 7% 0.66 0.57 58% 66% 66% MN 30 30% 45% 6% 0.64 0.55 66% 68% 3 MN 20 20% 49% 5% 0.58 0.50 77% 72% 3 MN 15 12% 58% 5% 0.52 0.49 86% 76% 6 MN 05 5% 60% 6% 0.47 0.40 94% 78% 3 RN 50 49% 31% 6% 0.79 0.69 44% 60% 3 RN 43 42% 34% 6% 0.76 0.66 52% 63% 3 RN 35 36% 35% 5% 0.75 0.65 59% 64% 3 3 RN 30 31% 37% 5% 0.73 0.63 65% 66% 3 RN 30 31% 37% 5% 0.66 0.57 93% 74% 3 RN 20 21% 39% 5% 0.66	
MN 30 30% 45% 6% 0.64 0.55 66% 68% 1 MN 20 20% 49% 5% 0.58 0.50 77% 72% 1 MN 15 12% 58% 5% 0.52 0.49 86% 76% 1 MN 05 5% 60% 6% 0.47 0.40 94% 78% 1 RN 30 31% 6% 0.79 0.69 44% 60% 2 RN 31 42% 34% 6% 0.76 0.66 52% 63% 2 RN 33 36% 35% 5% 0.75 0.65 59% 64% 2 RN 30 31% 37% 5% 0.73 0.63 65% 66% 2 RN 30 31% 37% 5% 0.71 0.61 76% 69% 2 RN 30 21% 39% 5% 0.66 0.57 93% 74% 2 RN 30 31% 37% 6% 0.73 0.63 60%	D% 53%
IGH-PERFORMANCE FILMS MN 20 20% 49% 5% 0.58 0.50 77% 72% <th< td=""><td>9% 52%</td></th<>	9% 52%
MN 15 12% 58% 5% 0.52 0.49 86% 76% 76% MN 05 5% 60% 6% 0.47 0.40 94% 78% 3 RN 50 49% 31% 6% 0.79 0.69 44% 60% 3 RN 43 42% 34% 6% 0.76 0.66 52% 63% 3 RN 35 36% 35% 5% 0.75 0.65 59% 64% 3 RN 30 31% 37% 5% 0.71 0.61 76% 69% 3 RN 20 21% 39% 5% 0.71 0.61 76% 69% 3 RN 05 6% 43% 5% 0.66 0.57 93% 74% 3	8% 51%
MN 05 5% 60% 6% 0.47 0.40 94% 78% 78% RN 50 49% 31% 6% 0.79 0.69 44% 60% 2 RN 43 42% 34% 6% 0.76 0.66 52% 63% 2 RN 35 36% 35% 5% 0.75 0.65 59% 64% 2 RN 30 31% 37% 5% 0.71 0.61 76% 69% 2 RN 20 21% 39% 5% 0.71 0.61 76% 69% 2 RN 05 6% 43% 5% 0.66 0.57 93% 74% 2	9% 64%
RN 50 49% 31% 6% 0.79 0.69 44% 60% 2 RN 43 42% 34% 6% 0.76 0.66 52% 63% 2 RN 35 36% 35% 5% 0.75 0.65 59% 64% 2 RN 30 31% 37% 5% 0.73 0.63 65% 66% 2 RN 20 21% 39% 5% 0.71 0.61 76% 69% 2 RN 05 6% 43% 5% 0.66 0.57 93% 74% 2	0% 65%
CH 35 35% 37% 6% 0.73 0.63 60% 65% 1 CH 35 35% 37% 6% 0.73 0.63 60% 65% 1	2% 289 2% 289 2% 289 2% 289
KN 20 21% 39% 5% 0.71 0.61 76% 69% 39%<	2% 28%
CH 35 35% 37% 6% 0.73 0.63 60% 65% 1 CH 20 21% 40% 5% 0.69 0.60 76% 69% 1	2% 20%
CH 35 35% 37% 6% 0.73 0.63 60% 65% 1 CH 20 21% 40% 5% 0.69 0.60 76% 69% 1	
	2% 28%
Ray Guard.	2% 28%
CH 15 15% 43% 5% 0.66 0.57 83% 72% 2 ON-REFLECTIVE WINDOW FILMS CH 05 7% 45% 5% 0.66 0.57 83% 72% 2	2% 28%
CH 05 7% 45% 5% 0.64 0.55 92% 74%	2% 28%
DlexShade PX 43 42% 34% 6% 0.76 0.66 52% N/A	2% 285
PX 20 21% 39% 5% 0.71 0.61 76% N/A 2	2% 28%
PX 10 10% 41% 5% 0.68 0.59 87% N/A 2	J% 26%
JV Clear	



The Skin Cancer Foundation Films products as effective UV protectants.

TRANSPARENT UV PROTECTION

15

Laws governing automotive window tinting are strictly enforced. Please stay within legal boundaries. Solar specifications represent film mounted to 1/4" (6mm) clear glass. Tests, equipment and methods according to ASTM, ANSI and NFRC standards. Calculations performed using Lawrence Berkeley Lab's Optics/Window 6. Values expressed hereof are typical and provided for comparative purposes only.



Only the user is aware of the conditions in which the product will be used. It is the user's responsibility to determine if the product is suitable for use

TERMS & DEFINITIONS

AUTOMOTIVE FILM SPECIFICATIONS

VISIBLE LIGHT TRANSMISSION

Visible Light Transmission is the percentage of solar visible light (daylight) that passes through a glazing system.

SOLAR ENERGY REJECTED

Solar Energy Rejected is the percentage of total solar energy (heat) that is rejected away from a glazing system. This equals solar heat reflectance plus the amount of solar heat absorbed that is then re-radiated outwards.

VISIBLE LIGHT REFLECTANCE

This is the percentage of reflectivity (mirror effect) that occurs on the glazing system. The higher the value, the more reflective the exterior, providing a more mirror-like appearance.

SHADING COEFFICIENT

Shading Coefficient is the ratio of solar heat gain passing through a glazing system to the solar heat gain that occurs under the same conditions if the window were made of clear, un-shaded double strength window glass (lower SC equals better solar shading performance).

SOLAR HEAT GAIN COEFFICIENT

Solar Heat Gain Coefficient is the percentage of total solar heat that enters a glazing system. This includes heat directly transmitted as well as heat that is absorbed by the glass and then transmitted inwards (lower SHGC means less heat transfer from the exterior to the interior).

GLARE REDUCTION

The ratio of the difference in visible transmission of the glass before and after installing film to the visible transmission of the glass with no film. It is expressed as a percentage and is determined by the respective visible transmission values of the glass with and without film.

FADING REDUCTION

Combined fading percentages are determined by applying rejection percentages on each cause of fading to determine the overall reduction in fade that a specific product can return. Using the IWFA fading explanation found at www.iwfa.com

INFRARED ENERGY REJECTION (IRER)

The measurement of heat experienced from solar infrared radiation (780 - 2,500 nm), which includes both re-radiated and absorbed energy.

SELECTIVE IR REJECTION (SIRR)

Solar infrared radiation (780 - 2,500 nm) not directly transmitted through the glass.

