

# Automotive Film Specifications

All of Johnson Automotive Window Films reject 99% or more of harmful UV rays.

**RENEGADE™**  
UNIVERSAL BLACK NON-REFLECTIVE FILMS

FILM TYPE	VISIBLE LIGHT TRANSMISSION	SOLAR ENERGY REJECTION	VISIBLE LIGHT REFLECTANCE	SHADING COEFFICIENT	SOLAR HEAT GAIN COEFFICIENT	GLARE REDUCTION
CLEAR GLASS	88%	18%	8%	0.94	0.82	0%

RN 50	51%	31%	7%	0.80	0.69	44%
RN 35	35%	35%	6%	0.76	0.65	62%
RN 20	21%	39%	5%	0.71	0.61	77%
RN 05	6%	43%	5%	0.66	0.56	93%

**MARATHON™**  
UNIVERSAL BLACK HIGH-PERFORMANCE FILMS

MN 45	46%	42%	8%	0.67	0.58	49%
MN 35	37%	43%	7%	0.66	0.57	59%
MN 30	30%	45%	6%	0.64	0.55	67%
MN 20	20%	49%	5%	0.58	0.50	78%
MN 15	12%	58%	5%	0.49	0.42	87%
MN 05	5%	60%	6%	0.47	0.40	95%

**INSULATIR™**  
PREMIUM CERAMIC SOLAR PROTECTION

IR 70	71%	32%	10%	0.78	0.68	22%
IR 60	60%	41%	11%	0.68	0.59	34%
IR 50	50%	49%	12%	0.60	0.52	45%
IR 40	42%	54%	14%	0.54	0.46	54%
IR 30	31%	61%	17%	0.46	0.40	66%

IR REJECTION*
47%
60%
70%
76%
85%

\*NIR: 780-2500nm range

**Ray Guard™**  
NON-REFLECTIVE WINDOW FILMS

CH 50	49%	32%	6%	0.79	0.68	46%
CH 35	35%	37%	6%	0.73	0.63	62%
CH 20	21%	40%	5%	0.69	0.60	77%
CH 15	15%	43%	5%	0.66	0.57	84%
CH 05	7%	45%	5%	0.64	0.55	92%

**GREYSTONE™**  
PREMIUM METAL-FREE WINDOW FILMS

GSN 50	48%	35%	7%	0.76	0.66	47%
GSN 40	39%	36%	6%	0.74	0.64	57%
GSN 30	31%	37%	6%	0.73	0.63	66%
GSN 20	18%	42%	6%	0.68	0.58	80%
GSN 10	10%	42%	5%	0.67	0.58	89%

**Silhouette™**  
HIGH-PERFORMANCE WINDOW FILMS

SP 45	47%	43%	13%	0.66	0.57	48%
SP 40	40%	44%	8%	0.64	0.56	56%
SP 35	34%	52%	10%	0.56	0.48	63%
SP 25	25%	53%	8%	0.55	0.47	73%
SP 20	22%	55%	8%	0.53	0.45	76%
SP 15	16%	55%	6%	0.52	0.45	82%
SP 05	6%	58%	7%	0.49	0.42	93%

**Executive™ Series**  
NON-FADING NEUTRAL WINDOW FILMS

ES 60	59%	36%	10%	0.74	0.64	35%
ES 50	50%	43%	12%	0.66	0.57	45%
ES 35	37%	50%	16%	0.58	0.50	59%
ES 21	22%	60%	17%	0.46	0.40	76%
ES 15	18%	63%	18%	0.43	0.37	80%

All of Johnson Window Films are protected by CST™ scratch resistant hardcoat.

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 OpticsWindow 5.2. Values expressed hereof are typical and provided for comparative purposes only.

**Johnson® Window Films**  
Manufactured by Johnson Laminating & Coating, Inc.  
Carson, California USA

[www.johnsonwindowfilms.com](http://www.johnsonwindowfilms.com)



AUTO FILM SPECS

