



## IR FILMS

**PRODUCT DESCRIPTION:**Garware suncontrol film division has developed the new "IR Film" for automobile application."IR film" is a high performance automotive film which offers consumers the high end performance properties without usage of metalized film in product design. The NIR Blocking organometallic nano, particles incorporated within interlayer's of laminate construction in combination with conventional dyed films in the product design provides long lasting heat protection to your vehicle.

TYPE OF FILMS	THICKNESS	VISIBLE LIGHT TRANSMITTANCE	VISIBLE LIGHT REFLECTANCE	SOLAR ENERGY TRANSMITTANCE	SOLAR ENERGY REFLECTANCE	SOLAR ENERGY ABSORBANCE	ULTRA VIOLET TRANSMITTANCE	GLARE REDUCTION	SHADING COEFFICIENT	EMISSIVITY	U FACTOR BTUR.SQ.FT	TOTAL SOLAR ENERGY REJECTION	NIR BLOCKING AT 1025 NM
ICE COOL GREEN 25	2 Mil	26%	17%	14%	15%	71%	<1%	71%	0.40	0.83%	1.10%	65%	97%
ICE COOL GREEN 40	2 Mil	41%	9%	25%	11%	64%	<1%	55%	0.52	0.84%	1.14%	55%	94%
ICE COOL GREEN 50	2 Mil	53%	6%	33%	5%	62%	<1%	42%	0.59	0.88%	1.12%	49%	88%
ICE COOL GREEN 70	1.5 Mil	69%	7%	46%	5%	49%	<1%	24%	0.70	0.89%	1.13%	40%	82%
ICE COOL GREEN 80	1.5 Mil	77%	7%	57%	6%	37%	<1%	15%	0.79	0.90%	1.12%	32%	62%
ICE COOL GREY 40	2 Mil	38%	6%	21%	6%	73%	<1%	59%	0.48	x	x	58%	92%
ICE COOL GREY 50	2 Mil	53%	7%	29%	6%	65%	<1%	42%	0.55	x	x	53%	92%
ICE COOL GREY 70	2 Mil	69%	8%	34%	7%	59%	<1%	24%	0.58	x	x	50%	92%
ICE COOL GREY 80	2 Mil	79%	9%	47%	7%	46%	<1%	13%	0.69	x	x	40%	76%
ARCTIC COOL 70	2 Mil	68%	9%	34%	7%	59%	<1%	25%	0.58	x	x	50%	92%
IR PLUS CHARCOAL 05	2 Mil	4%	6%	11%	6%	83%	<1%	96%	0.39	x	x	66%	76%
IR PLUS CHARCOAL 20	2 Mil	18%	6%	16%	6%	76%	<1%	82%	0.40	X	x	62%	76%
IR PLUS CHARCOAL 30	2 Mil	32%	7%	23%	6%	71%	<1%	65%	0.49	x	x	58%	76%
IR PLUS CHARCOAL 38	2 Mil	38%	7%	25%	6%	69%	<1%	58%	0.51	x	x	56%	76%
IR PLUS CHARCOAL 42	2 Mil	42%	7%	28%	6%	66%	<1%	54%	0.54	x	x	53%	76%
IR PLUS CHARCOAL 46	2 Mil	46%	7%	39%	6%	64%	<1%	49%	0.55	x	x	52%	76%
IR PLUS PREMIUM CHARCOAL 05	2 Mil	5%	6%	5%	6%	89%	<1%	94%	0.34	x	x	70%	92%
COOL BLAST NANO IR 70	2 Mil	69%	8%	35%	7%	58%	<1%	24%	0.59	x	x	49%	88%
IR SUPREME CHARCOAL 05	2 Mil	5%	6%	5%	6%	89%	<1%	95%	0.34	x	x	70%	98%
IR SUPREME CHARCOAL 20	1.5 Mil	20%	7%	11%	6%	83%	<1%	78%	0.39	x	x	66%	98%
IR SUPREME	1.5 Mil	41%	7%	21%	6%	73%	<1%	55%	0.47	x	x	59%	98%

CHARCOAL 35													
IR SUPREME CHARCOAL 50	1.5 Mil	50%	7%	23%	6%	71%	<1%	45%	0.49	x	x	57%	98%
IR XT CHARCOAL 05	2 Mil	5%	6%	5%	6%	89%	<1%	95%	0.34	x	x	70%	92%
IR XT CHARCOAL 20	1.5 Mil	20%	8%	11%	7%	82%	<1%	78%	0.39	x	x	66%	92%
IR XT CHARCOAL 35	1.5 Mil	41%	9%	21%	8%	71%	<1%	55%	0.47	x	x	59%	92%
IR XT CHARCOAL 50	1.5 Mil	51%	8%	25%	8%	67%	<1%	44%	0.50	x	x	56%	92%
IR PLUS BLAST 70	2 Mil	69%	8%	35%	7%	58%	<1%	24%	0.59	x	x	49%	88%



**Disclaimer:**The Performance data reported on this page was tested at DSET Lab & MATRIX Lab, USA ASHRAE, and ASTM & AIMCOL standards. All Value as applied to 1/8 inch (3mm) glass. Tests are representative of actual product sample & may vary from batch to batch.