

Automotive Performance Specifications

High Performance Films

Type of Films	T	VLT	VLR	SET	SER	SEA	UVT	GR	SC	E	UF	TSER
HP Charcoal 05	1.5 Mil	5%	5%	20%	12%	68%	<1%	94%	0.46	0.73	1.06	61%
HP Charcoal 10	1.5 Mil	10%	5%	29%	8%	63%	<1%	89%	0.54	0.81	1.1	53%
HP Charcoal 20	1.5 Mil	20%	6%	32%	9%	59%	<1%	78%	0.56	0.79	1.09	51%
HP Charcoal 30	1.5 Mil	28%	7%	43%	6%	51%	<1%	69%	0.66	0.88	1.13	43%
HP Charcoal 40	1.5 Mil	39%	8%	45%	7%	48%	<1%	57%	0.68	0.85	1.12	42%
HP Charcoal 45	1.5 Mil	44%	8%	48%	7%	45%	<1%	52%	0.70	0.85	1.12	39.0%
HP Charcoal 50	1.5 Mil	54%	8%	55%	7%	38%	<1%	41%	0.75	0.87	1.13	34.0%

Optical Hybrid Films

Type of Films	T	VLT	VLR	SET	SER	SEA	UVT	GR	SC	E	UF	TSER
Optical 05	1.5 Mil	6%	6%	44%	7%	49%	<1%	93%	0.66	0.89	1.12	42%
Optical 15	1.5 Mil	16%	6%	46%	6%	48%	<1%	82%	0.67	0.89	1.12	41%
Optical 20	1.5 Mil	19%	6%	47%	6%	47%	<1%	79%	0.69	0.89	1.12	40%
Optical 30	1.5 Mil	30%	6%	53%	6%	41%	<1%	67%	0.74	0.89	1.12	36%
Optical 40	1.5 Mil	39%	6%	56%	6%	38%	<1%	57%	0.77	0.89	1.12	33%
Optical 50	1.5 Mil	49%	6%	60%	6%	34%	<1%	46%	0.80	0.89	1.12	30%

Premium Films

Type of Films	T	VLT	VLR	SET	SER	SEA	UVT	GR	SC	E	UF	TSER
Premium 05	1.0 Mil	6%	6%	45%	7%	48%	<1%	93%	0.67	0.85	1.12	42%
Premium 20	1.0 Mil	20%	6%	48%	6%	46%	<1%	78%	0.69	0.86	1.15	40%

Premium 30	1.0 Mil	30%	6%	52%	6%	42%	<1%	67%	0.73	0.86	1.14	36%
Premium 40	1.0 Mil	38%	6%	55%	6%	39%	<1%	58%	0.76	0.86	1.14	34%
Premium 50	1.0 Mil	51%	6%	60%	7%	33%	<1%	44%	0.80	0.86	1.14	31%
Premium 70	1.0 Mil	70%	7%	70%	9%	21%	<1%	23%	0.87	0.86	1.13	24%

- **T** : Thickness
- **VLT** : Visible Light Transmittance
- **VLR** : Visible Light Reflectance
- **SET** : Solar Energy Transmittance
- **SER** : Solar Energy Reflectance
- **SEA** : Solar Energy Absorbance
- **UVT** : Ultra Violet Transmittance
- **GR** : Glare Reduction
- **SC** : Shading Coefficient
- **E** : Emissivity
- **UF** : U Factor (BTU /HR./SQ.FT.)
- **TSER** : Total Solar Energy Rejection