

3M AUTOMOTIVE WINDOW FILM SPEC SHEET

Crystalline (CR) • Ceramic IR (IR) • Color Stable (CS) • Obsidian (OB)

* films and percentages in bold are the best for that tint level *

Total Solar Energy Rejected (TSER)

The percentage of total solar energy rejected by filmed glass. The higher this value, the less solar heat is transmitted.

CR90	CR70	CR60	CR50	CR40					CR20		
34%	50%	53%	56%	60%					62%		
	IR70		IR50		IR35	IR30	IR25			IR15	IR5
	41%		47%		52%	55%	57%			59%	63%
			CS50		CS35				CS20		CS5
			35%		40%				51%		57%
	OB70		OB50	OB40	OB35	OB30	OB25			OB15	OB5
	23%		28%	31%	33%	35%	38%			40%	44%

Infrared Rejected (IRR)

The percentage of solar infrared energy rejection over the wavelength range from 900-1,000 nm. Infrared rays are primarily responsible for the heat you feel when driving.

CR90	CR70	CR60	CR50	CR40					CR20		
90%	97%	97%	97%	97%					97%		
	IR70		IR50		IR35	IR30	IR25			IR15	IR5
	78%		83%		85%	88%	90%			90%	95%
			CS50		CS35				CS20		CS5
			49%		54%				68%		77%

Infrared Energy Rejection (IRER)

The percent of solar infrared energy rejection over the wavelength range from 780–2,500 nm. IRER takes into account the transmitted and absorbed IR energy that will be reradiated into a car.

CR90	CR70	CR60	CR50	CR40					CR20		
59%	68%	68%	68%	69%					66%		
	IR70		IR50		IR35	IR30	IR25			IR15	IR5
	58%		60%		61%	62%	63%			61%	63%

Ultraviolet Rejection

The percentage of ultraviolet (UV) light that is rejected by the filmed glass. UV light contributed to sunburn and other harmful skin conditions and to the fading and deterioration of fabrics and leather.

ALL FILMS HAVE 99% UV REJECTION

Glare Reduction

The percentage by which visible light is reduced by the addition of film.

CR90	CR70	CR60	CR50	CR40					CR20		
3%	22%	32%	32%	55%					77%		
	IR70		IR50		IR35	IR30	IR25			IR15	IR5
	12%		32%		49%	57%	65%			78%	93%
			CS50		CS35				CS20		CS5
			42%		56%				79%		90%
	OB70		OB50	OB40	OB35	OB30	OB25			OB15	OB5
	12%		30%	39%	49%	56%	69%			79%	91%