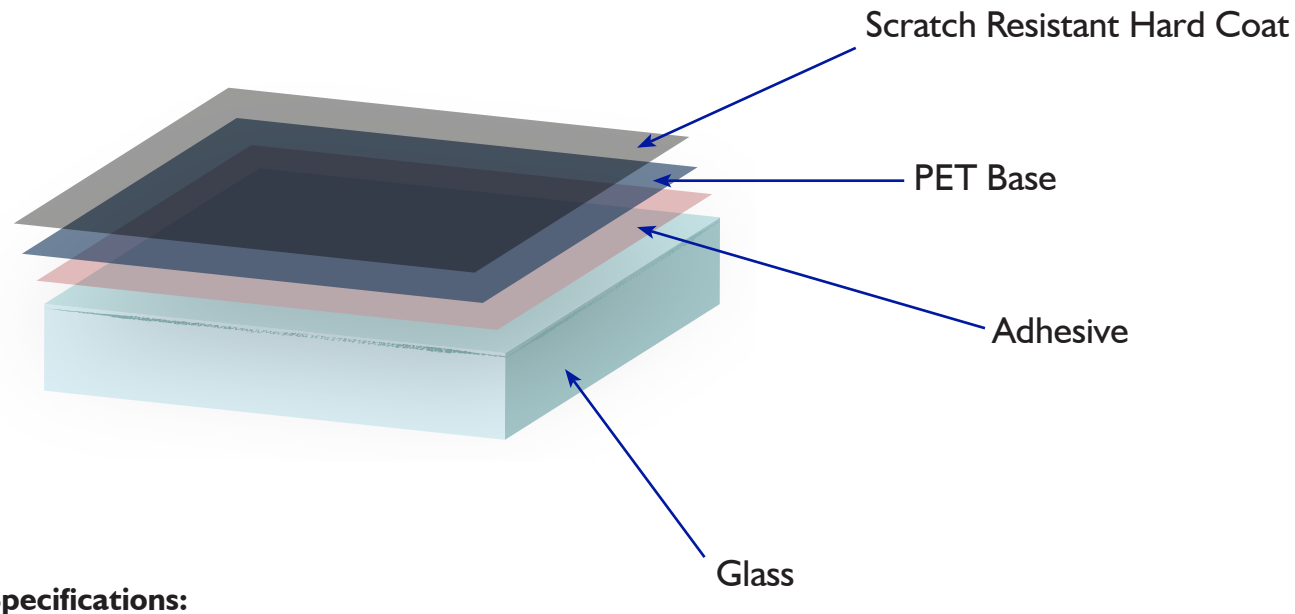
IR Blocking Film Data Sheet

Rev 5 9/20/2019

Overview:
IR (infra-red) Blocking films provide high visible light transmission as well as high ultra -violet and infra-red rejection.

Product Description:
IR Blocking films consists of 3 layers: a scratch resistant hard coat on the top surface, a PET base, and an optically clear adhesive bonded to the glass substrate. The IR films are clear in color and will not discolor from exposure to sunlight or heat.



Specifications:
Cat-i Glass offers 3 options for IR blocking films: Solis-K, Solis-V7055 and Solis-V7745. While the functionality of the films is interchangeable, they exhibit subtle differeances as characterized below.

Characteristic	Solis-KHD	Solis-V7055	Solis-V7745
Properties	IR Blocking	IR Blocking	IR Blocking
Visible Light Transmission	84.0%	70.0%	77.0%
Infra-Red Rejection	37%	94.0%	77.14%
UV Rejection	99.0%	99.0%	99.0%
Total Solar Energy Rejected (TSER)	23%	55%	45.45%

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Overview:
Light transmission values of Solis V and Solis KHD IR Blocking films on 3mm soda lime glass

* % Transmission values are nominal and will vary depending on substrate, thickness and composition

Characteristic*	Solis KHD	Solis-V7055	Solis-V7745
% Transmission @ 260nm	1	1	1
% Transmission @ 400nm	67	30	48
% Transmission @ 550nm	85	75	77

Care Instructions:
IR Film surface can be cleaned using household glass cleaner (like Windex) and a sponge, tissue, or soft, lint-free cloth. Do not use cleaners which contain abrasives, strong acids, or caustic substances.

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