



PENDER

05 15 30 50

CERAMIC TINTING FILM



REPELS HEAT

IR shield coating blocks thermal infrared rays.



REFLECTS UV

High-quality tinting film that blocks 99% of UV A & B.



SHATTERPROOF

Minimize fatality in case of accidents.



NON-METALLIC

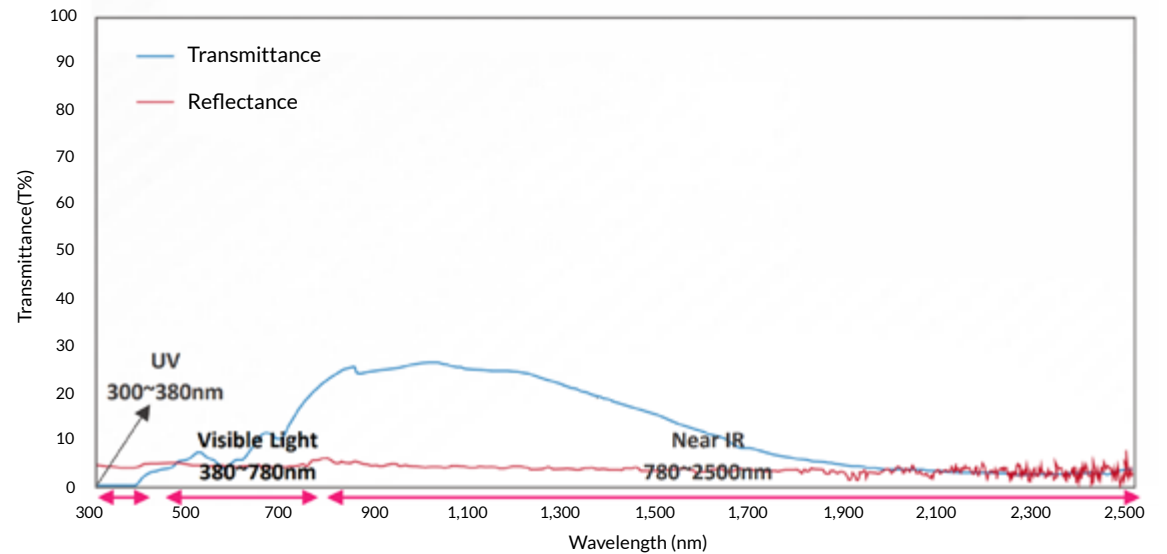
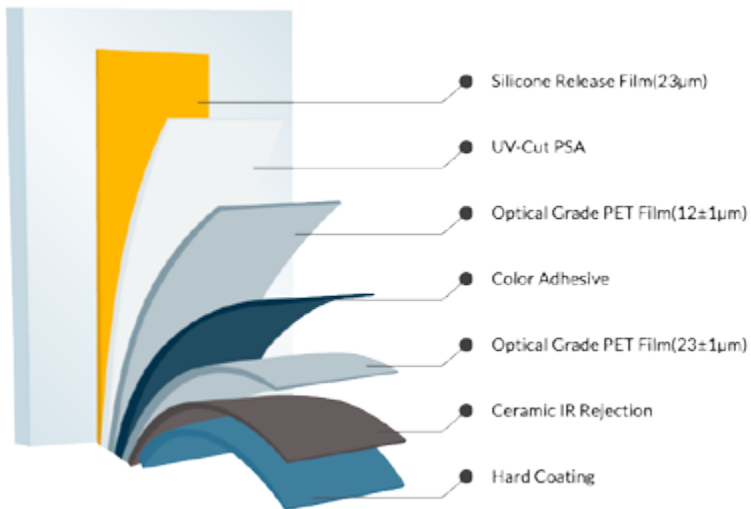
Materials that do not interfere with radio wave signals.

PENDER 05

Optical properties of 5mm clear glass with applied film Pender 05.

	% Visible Light Transmission	% Visible Light Reflection	% Total Solar Energy Rejection	% Solar Energy			% Rejection	% Glare Reduction	Solar Heat Gain Coefficient	% Infrared Light Rejection	
	VLT	VLR	TSER	Transmittance	Reflectance	Absorbance	UV	GR	SHGC	780~2500nm	900~1000nm
PENDER 05	6	4.8	59	14.8	4.8	80.4	99.9	94.5	0.43	85	72

Thickness: 1.5Mil/2Ply



Note: Total Solar Energy Rejection = 1-SHGC (Solar Heat Gain Coefficient)

Ultraviolet Ray Rejection = 1-UV Transmission

Glare Reduction is the percentage reduction in visible light transmission through glass, from glass without film to that with film and calculated as $(VLT1-VLT2/VLT1) \times 100\%$, where, VLT1 is the visible light transmission of the glass without film, VLT2 is the visible light transmission of glass with film.

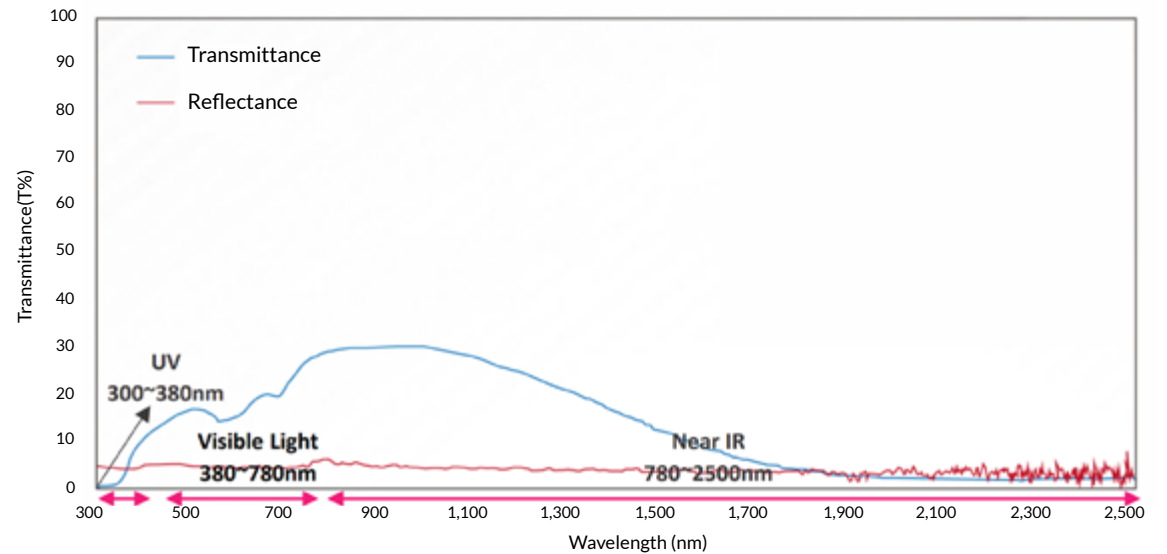
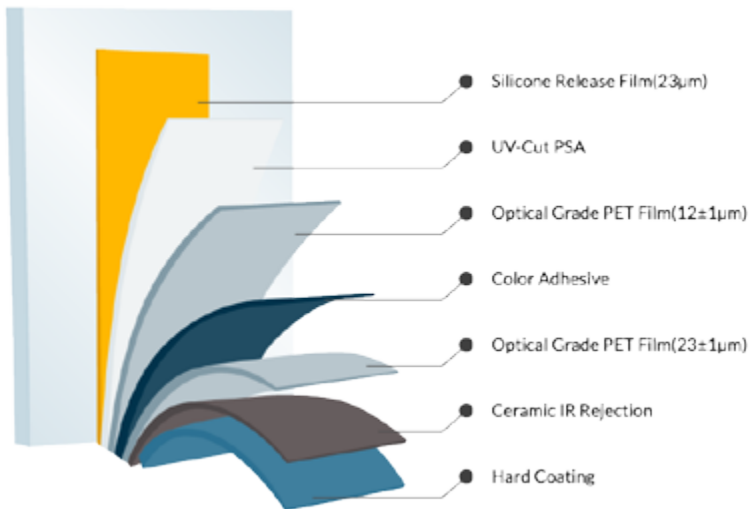
The data was prepared in the format required by IGDB and imported in OPTICS. The film side of the glass faces the indoor environment.

PENDER 15

Optical properties of 5mm clear glass with applied film Pender 15.

	% Visible Light Transmission	% Visible Light Reflection	% Total Solar Energy Rejection	% Solar Energy			% Rejection	% Glare Reduction	Solar Heat Gain Coefficient	% Infrared Light Rejection	
	VLT	VLR	TSER	Transmittance	Reflectance	Absorbance	UV	GR	SHGC	780~2500nm	900~1000nm
PENDER 15	15	5.2	55	20.1	4.9	75	99.9	88.9	0.46	87	70

Thickness: 1.5Mil/2Ply



Note: Total Solar Energy Rejection = 1-SHGC (Solar Heat Gain Coefficient)

Ultraviolet Ray Rejection = 1-UV Transmission

Glare Reduction is the percentage reduction in visible light transmission through glass, from glass without film to that with film and calculated as $(VLT1-VLT2/VLT1) \times 100\%$, where, VLT1 is the visible light transmission of the glass without film, VLT2 is the visible light transmission of glass with film.

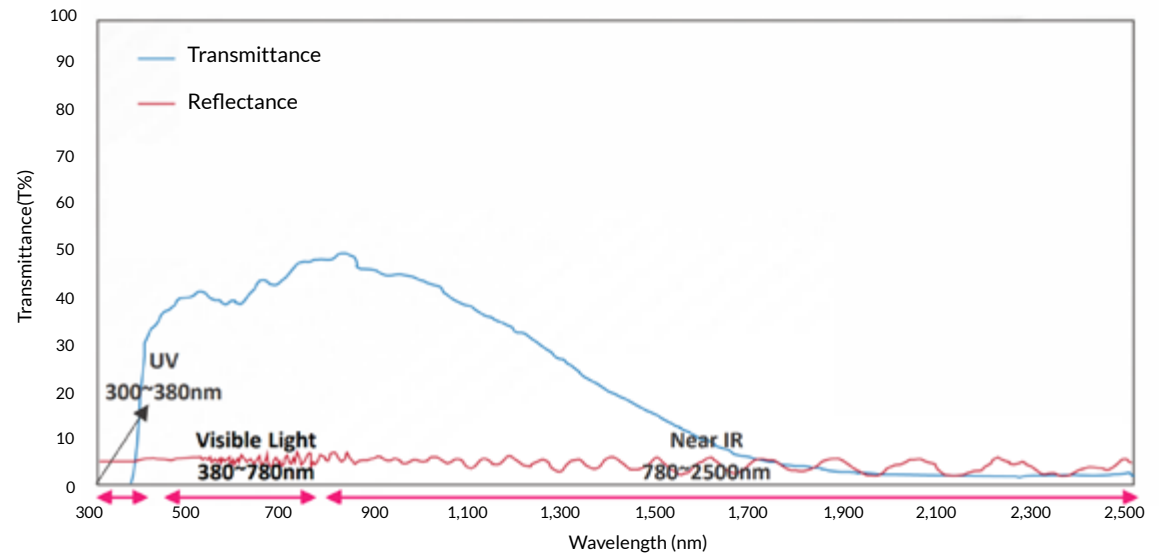
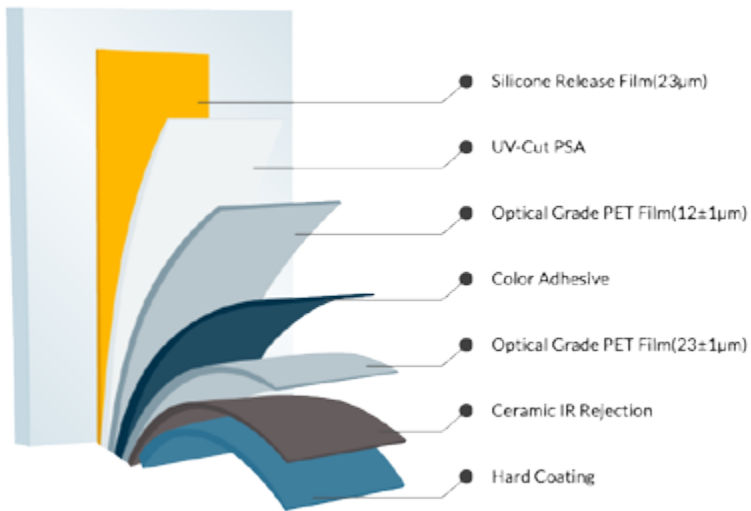
The data was prepared in the format required by IGDB and imported in OPTICS. The film side of the glass faces the indoor environment.

PENDER 35

Optical properties of 5mm clear glass with applied film Pender 35.

	% Visible Light Transmission	% Visible Light Reflection	% Total Solar Energy Rejection	% Solar Energy			% Rejection	% Glare Reduction	Solar Heat Gain Coefficient	% Infrared Light Rejection	
	VLT	VLR	TSER	Transmittance	Reflectance	Absorbance	UV	GR	SHGC	780~2500nm	900~1000nm
PENDER 35	40	5.4	46	37.1	5.2	57.7	99.9	63	0.57	83	55

Thickness: 1.5Mil/2Ply



Note: Total Solar Energy Rejection = 1-SHGC (Solar Heat Gain Coefficient)

Ultraviolet Ray Rejection = 1-UV Transmission

Glare Reduction is the percentage reduction in visible light transmission through glass, from glass without film to that with film and calculated as $(VLT1-VLT2/VLT1) \times 100\%$, where, VLT1 is the visible light transmission of the glass without film, VLT2 is the visible light transmission of glass with film.

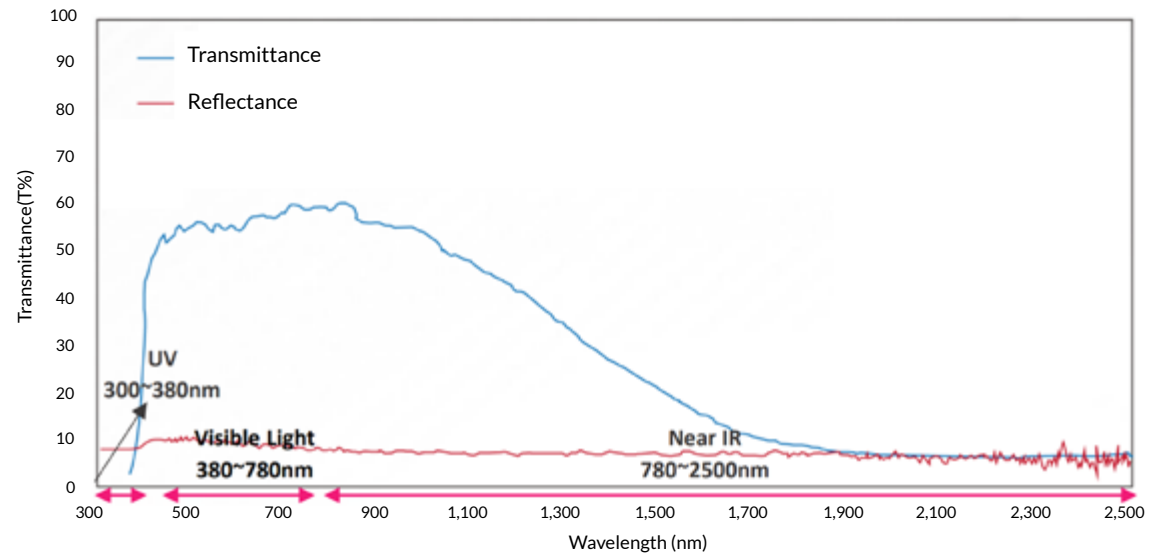
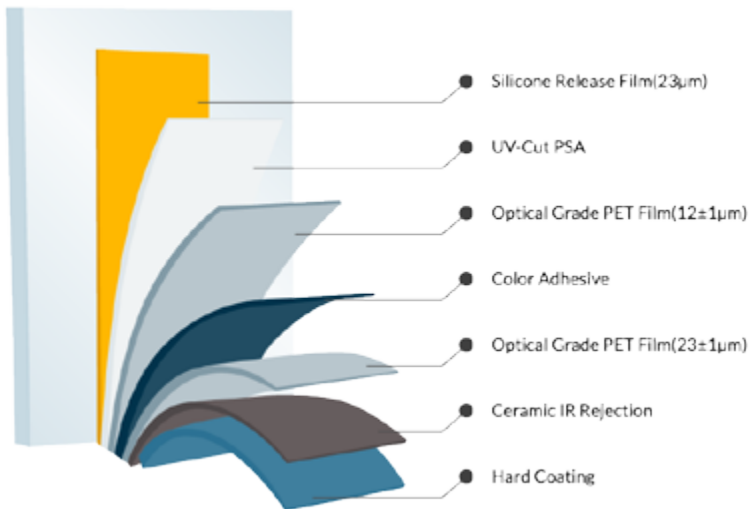
The data was prepared in the format required by IGDB and imported in OPTICS. The film side of the glass faces the indoor environment.

PENDER 50

Optical properties of 5mm clear glass with applied film Pender 50.

	% Visible Light Transmission	% Visible Light Reflection	% Total Solar Energy Rejection	% Solar Energy			% Rejection	% Glare Reduction	Solar Heat Gain Coefficient	% Infrared Light Rejection	
	VLT	VLR	TSER	Transmittance	Reflectance	Absorbance	UV	GR	SHGC	780~2500nm	900~1000nm
PENDER 50	54	6.9	41	47.5	5.5	47	99.9	49	0.64	79	46

Thickness: 1.5Mil/2Ply



Note: Total Solar Energy Rejection = 1-SHGC (Solar Heat Gain Coefficient)

Ultraviolet Ray Rejection = 1-UV Transmission

Glare Reduction is the percentage reduction in visible light transmission through glass, from glass without film to that with film and calculated as $(VLT1-VLT2/VLT1) \times 100\%$, where, VLT1 is the visible light transmission of the glass without film, VLT2 is the visible light transmission of glass with film.

The data was prepared in the format required by IGDB and imported in OPTICS. The film side of the glass faces the indoor environment.



PENDER

Optical properties of 5mm clear glass with applied film Pender 05, 15, 35 and 50.

	% Visible Light Transmission VLT	% Visible Light Reflection VLR	% Total Solar Energy Rejection TSER	% Solar Energy			% Rejection UV	% Glare Reduction GR	Solar Heat Gain Coefficient SHGC	% Infrared Light Rejection 780~2500nm 900~1000nm IRR	
				Transmittance	Reflectance	Absorbance					
PENDER 05	6	4.8	59	14.8	4.8	80.4	99.9	94.5	0.43	85	72
PENDER 15	15	5.2	55	20.1	4.9	75	99.9	88.9	0.46	87	70
PENDER 35	40	5.4	46	37.1	5.2	57.7	99.9	63	0.57	83	55
PENDER 50	54	6.9	41	47.5	5.5	47	99.9	49	0.64	79	46

Note: Total Solar Energy Rejection = 1-SHGC (Solar Heat Gain Coefficient)

Ultraviolet Ray Rejection = 1-UV Transmission

Glare Reduction is the percentage reduction in visible light transmission through glass, from glass without film to that with film and calculated as $(VLT1-VLT2/VLT1) \times 100\%$, where, VLT1 is the visible light transmission of the glass without film, VLT2 is the visible light transmission of glass with film.

The data was prepared in the format required by IGDB and imported in OPTICS. The film side of the glass faces the indoor environment.