

# Perfect Shield 90S (9010)



**Perfect Shield 9010S** is metallic coated film with highly enhanced solar heat-rejection performance.

\* Coloring natural inorganic pigments on the metal membrane of the thin film creates a natural and special appearance.

\* Maximize the thermal reflectivity of the metal.

Item		Unit	Value	Test Method
UV Rejection		%	99	KS L 2514
Visible Light	Transmittance	%	12.7	KS L 2514
	Reflectance (ext.)	%	20.0	
	Reflectance (int.)	%	8.3	
	Absorbance	%	67.3	
Solar Heat	Transmittance	%	12.7	KS L 2514
	Reflectance (ext.)	%	27.7	
	Reflectance (int.)	%	7.8	
	Absorbance	%	59.7	
Infrared Ray	Rejected 950nm	%	90	LS 160
	Rejected 1400nm	%	95	LS 160A
Shading Coefficient			0.38	KS L 2016
U-Value		W/m <sup>2</sup> K	5.8	
TSER		%	71.4	KS L 2514
Thickness		mil	2.0	
Color			Light Bluish	



UShield is a researcher and manufacturer producing significant energy efficient products and providing with energy saving solution in variety of industries.

# Perfect Shield 90S (9030)



**Perfect Shield 9030S** is metallic coated film with highly enhanced solar heat-rejection performance.

\* Coloring natural inorganic pigments on the metal membrane of the thin film creates a natural and special appearance.

\* Maximize the thermal reflectivity of the metal.

Item		Unit	Value	Test Method
UV Rejection		%	99	KS L 2514
Visible Light	Transmittance	%	27.2	KS L 2514
	Reflectance (ext.)	%	20.2	
	Reflectance (int.)	%	20.3	
	Absorbance	%	52.6	
Solar Heat	Transmittance	%	23	KS L 2514
	Reflectance (ext.)	%	27.9	
	Reflectance (int.)	%	15.2	
	Absorbance	%	49.0	
Infrared Ray	Rejected 950nm	%	85	LS 160
	Rejected 1400nm	%	95	LS 160A
Shading Coefficient			0.45	KS L 2016
U-Value		W/m <sup>2</sup> K	5.8	
TSER		%	63.9	KS L 2514
Thickness		mil	2.0	
Color			Light Bluish	



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