

Leader of Specialty, Optical and Visual Plastics

Mission

Visualplas aims to serve our customers with high value products and services through our continuous innovation, reliable quality and sustainable development of specialty and visual plastics.

Team

We are the professionals of diversified technologies in plastics, visual effects and optics constitute the company's elites and backbones.

Value

Initiative
Creative
Responsive

Shanghai Visualplas Co., Ltd

Tel: 021 52232075
Fax: 021 52232075
Zip: 201101
info@visualplas.com
www.visualplas.com
Add: B525, Ming Gu Hi-Tech Park, 7001 Zhongchun Road
Shanghai, China



Miracles of **Visual** Plastics

IR Transmission Plastics

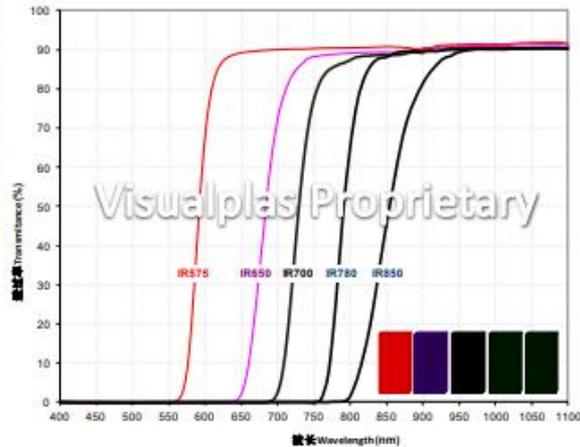
Visualplas IR Transmission Plastics

Features and Design Flexibility

✓ High transmission rate in 800-1100nm NIR and blocking visible light, providing piano black visual aesthetics.

✓ PMMA or PC based IR pass plastics that can be molded, sheeted, and extruded to meet the various design requirements

NIR transmission curves



Tech Support

info@visualplas.com
For more information, visit us
www.visualplas.com

Grades and Data

Base Plastics			PMMA (亚克力)				PC (聚碳酸酯)			
Parameters	Test Method	Unit	IR575M	IR650M	IR700M	IR780M	IR575C	IR650C	IR700C	IR780C
Color	Visual	-	RD	VT	BK	BK	RD	VT	BK	BK
Blocking Visible Light	Visualplas	nm	400-575	400-650	400-700	400-780	400-575	400-650	400-700	400-780
Light Transmission Rate (400nm-cuttoff) 2mm thickness	Visualplas	-	<0.1%	<0.1%	<0.1%	<0.1%	<0.1%	<0.1%	<0.1%	<0.1%
IR Transmission Rate (940nm, 2mm thickness)	Visualplas	-	> 89%			> 86%		> 89%		>86%
Refraction Index	ASTM D542	-	1.49				1.59			
Pencil Hardness (500g)	ASTM D3363	-	2 H				HB (can be coated to 1H)			
Rockwell Hardness	ASTM D785	-	95				70			
Heat Distortion Temperature 1.82MPa 6.4mm	ASTM D648	°C	92				125			
Density	ASTM D792	g/cm ³	1.19				1.20			
Notched Izod Strength 23°C	ASTM D256	J/M	19				690			

