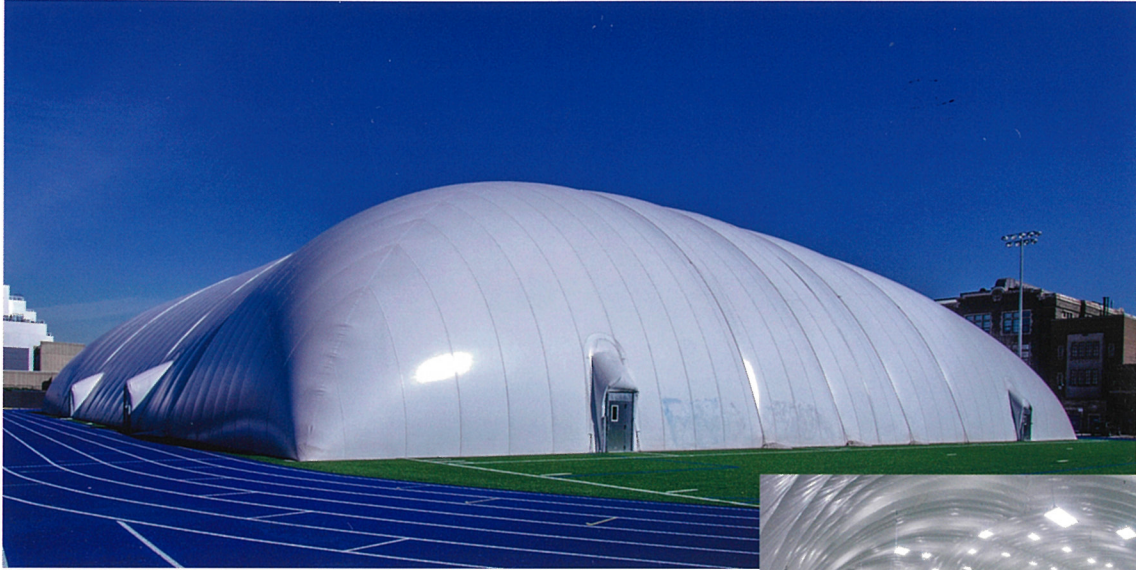


# HIRAOKA HG SERIES

# BLOCK-OUT



AIR-SUPPORTED STRUCTURES



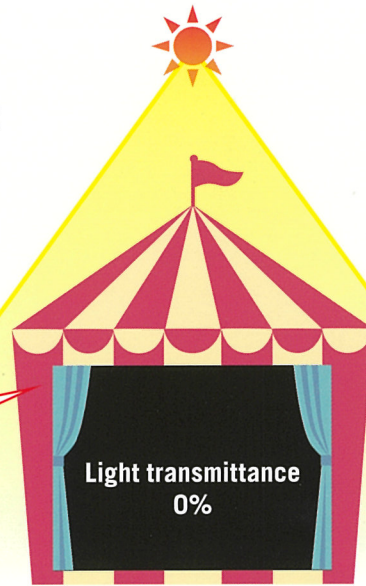
HG212-B



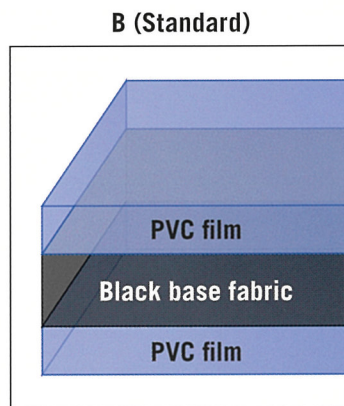
## What is Block-Out?

Block-Out occurs when sunlight or visible light is eliminated.

Excellent for circus tents, movie theaters and other applications requiring light control



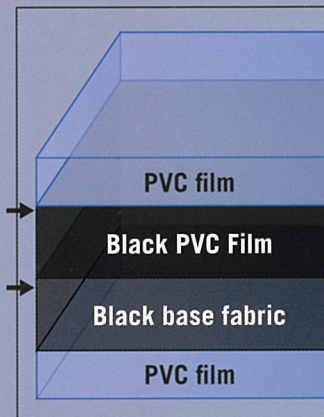
## Composition of Block-Out Types



B type provides Block-Out performance by dyeing the base fabric black.

option

### BP (Enhanced Block-Out)



BP type features enhanced Block-Out performance by inserting black film between the PVC film layer and the B type black base fabric.

## Physical Properties

Test Items	Test Method	Unit	HG102		HG212		HG313		HG412		
			(B)	(BP)	(B)	(BP)	(B)	(BP)	(B)	(BP)	
Width	ASTM D 751	mm	2040		2040		2040		2040		
Total Mass	ASTM D 751	g/m <sup>2</sup>	800	1000	940	1130	1080	1280	1470	—	
Thickness	ASTM D 751	mm	0.63	0.77	0.75	0.88	0.9	1.02	1.2	—	
Tensile Strength (Cut Strip)	Warp	ASTM D 751	N/5cm	3100		5100		6100		8300	
	Weft			2800		5200		5900		7000	
Tear Strength (Trapezoid)	Warp	ASTM D 751	N	160		400		670		950	
	Weft			160		400		670		900	
	Warp	DIN 53363	N	300		630		1100		1300	
	Weft			300		630		1000		1200	
Adhesion	ASTM D 751	N/5cm	100		130		140		150		
Light Transmisson	ISO 9050	%	0		0		0		0		
Temperature Resistance	ASTM D2136 MSAJ/M-03-2003	°C	-40/+70								
Flame Retardancy	EN13501-1		B-s2,d0		B-s2,d0		B-s2,d0		C-s2,d0		
	NFPA-701		meet		meet		meet		meet		
	ASTM E-84		meet		meet		meet		meet		

The above data reflects average measured values.