

# Plastiglas BiColor®

Acrylic

Plastiglas de Mexico S.A de C.V.

## Message:

BiColor® is a monolithic acrylic of two layers that shows a translucent color and another in clear; this gives to this product a unique aspect. This product has been developed with hi - tec by Plastiglas and allows light diusion in a spectrum of color. Since it is monolithic it avoids the internal defects normally obtained in cemented substrates and can be thermoformed with no delaminating of the color keeping its optical symmetry in the nal piece.

### Applications:

- Bi Color sheet is recommended for indoor application only.
- Illumination and interior design with cold light, warm light and Led's.
- Internal partitions.
- Table covers in restaurants, Fast-food and bars.
- Counters at and hospitals and hotel's receptions.
- Furniture details as inserts in wood, solid surface and quartz.
- Garden tables and displays islands (POP).
- Decorative articles.

### Characteristics:

- Highly aesthetic.
- High light transmittance.
- Creates optical eects depending on Edge nishing.
- Harmonizes environments.
- Hygienic.
- Inert.
- Reparable.
- Easy to process & install.

General Information			
Features	Good Processability		
	High Light Transmission		
	Opticals		
Uses	Consumer Applications		
	Counter Top Flatstocks		
	Decorative Parts		
	Furniture		
	LEDs		
	Lighting Applications		
	Sheet		
Appearance	Colors Available		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Water Absorption (23°C, 24 hr)	0.30	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	90 to 100		ASTM D785
Barcol Hardness	50		ASTM D2583
Mechanical	Nominal Value	Unit	Test Method

Tensile Modulus	2930	MPa	ASTM D638
Tensile Strength	66.2	MPa	ASTM D638
Tensile Elongation (Break)	4.5	%	ASTM D638
Flexural Strength	103 to 110	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact	21 to 27	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	91.1	°C	ASTM D648
Continuous Use Temperature	80.0	°C	ASTM D794
Melting Temperature	140 to 180	°C	
Optical	Nominal Value	Unit	Test Method
Refractive Index	1.490		ASTM D542
Transmittance			ASTM D1003
2540 μm	92.0	%	
5000 μm	92.0	%	
5590 μm	90.0	%	
12000 μm	90.0	%	
31800 μm	87.0	%	
Haze	2.0	%	ASTM D1003

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#### Recommended distributors for this material

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