

# Plastiglas FG®

Acrylic

Plastiglas de Mexico S.A de C.V.

## Message:

FG® is an innovating and flexible option for the most demanding design and production requirements.

FG® is a modied acrylic sheet with impact resistance and superior screw retention. The product allows perfect thermoforming keeping symmetry and color in the final piece.

FG® by Plastiglas was designed to avoid diminishes and waste in comparison to other acrylic products due to its exibility, its high resistance to compressions and contractions and its ease to be screwed without cracking.

### Applications:

FG® is recommended for indoor application only.

Kitchen Covers and furniture.

Kitchen Cabinets.

Doors and shelves.

Commercial and Institutional Furniture.

POP Displays.

Commercial and Residential decoration.

Partitions.

### Characteristics:

Superior hinge and screw retention.

High impact resistance.

Environmental harmonizing.

Hygienic.

Ease to be processed and installed.

Resistant to moisture and immersion.

Outstanding screw, hinges and metallic elements retention.

Easy cutting and routing.

Thermoformable.

General Information			
Features	Good Flexibility		
	High Impact Resistance		
	Low Moisture Absorption		
Uses	Consumer Applications		
	Counter Top Flatstocks		
	Decorative Parts		
	Displays		
	Furniture		
	Sheet		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	74		ASTM D785

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2340	MPa	ASTM D638
Tensile Strength	42.1	MPa	ASTM D638
Tensile Elongation (Break)	2.7	%	ASTM D638
Flexural Strength	75.8 to 89.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact	69	J/m	ASTM D256
Gardner Impact	7.34	J	ASTM D3029
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	85.0	°C	ASTM D648
Continuous Use Temperature	75.0	°C	ASTM D794
Melting Temperature	140 to 180	°C	

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#### Recommended distributors for this material

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