

**Material Data Sheet****PMMA Sheet Product****DESCRIPTION**

HX GG-Optical PMMA Sheet, produced in China, is named as one of a good display extruded sheet for various applications. Thanks to its super high clarity to the glass, it provides an excellent printing & flat surface for screen-printing for display screen/ electronic panel; metalizing for mirror or to-be metalized surface, etc.

A higher anti-scratches surface of our PMMA sheet is produced by sputtered a hard-coating layer to achieve 4-5H, or max at 6H hardness. Product code is named as **HCGG Both side Hardcoat PMMA Sheet**

TYPICAL PROPERTY VALUE

Property	Standard Test	Unit	Results
PHYSICAL			
Color/Density	Transparent Clear	$\pm 5 \%$	1.2 ~ 1.25
Light Transmittion	ASTM - D 1003-61	% (min)	Clear 92-93%
Haze	ASTM - D 1003-61	% (max)	-
MECHANICAL			
Tensile Strength at Break	ASTM -D 638/882	Mpa	65
Tensile Elongation at Break	ASTM -D 638/882	%	2.50
Izoo Test	ASTM -D 256-54T	J/m	20
Pencial Hardness	KS D 6711:1992	Bare	2H
	HCGG	Hardcoat	4-5H
THERMAL			
Std. Temperature Resistance	ASTM - D 1525-76	°C	> 80
Heat Distortion Temperature	ASTM-D 1637	°C	115
Melting Temperature	DSC Scanning	°C	255
OPTICAL PROPERTY			
Pinhole/ Black dot/ Particles, etc.	0.81mm $< \Phi < 1.1$ mm	1 square meter	1
	0.55mm $< \Phi < 0.8$ mm		6
	0.31mm $< \Phi < 0.5$ mm		10
	0.1mm $< \Phi < 0.3$ mm		18

Disclaimer

The information & value are intended for reference only. It does not guarantee the same data result, data safety and application suitability as described, nor is not considered a warranty or quality specification. Customer should carry its own test to determine your own particular use. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process.

