

**Material Data Sheet****PC Film/Sheet Product****DESCRIPTION**

HCGG Hardcoat PC Film/Sheet, produced in China, has excellent printing surface with anti-scratches function. It reaches UL94-V2 which is suitable for various nameplate, overlay switches, display surface. impact strength as well as acceptable clarity for medium level of requirement. With Anti-UV coating on the surface (HCGG-W), the sheet can be retained for around 7 year exposure to the sun light

HCGG Hardcoat PC Sheet**TYPICAL PROPERTY VALUE**

Property	Standard Test	Unit	Results
PHYSICAL			
Color/Density	Transparent Clear	± 5 %	1.2
Refraction Rate	JIS- D7105	%	1.49
Light Transmittion	ASTM - D 1003-61	% (min)	89.9
Haze	ASTM - D 1003-61	% (max)	0.3
MECHANICAL			
Tensile Strength at Break	ASTM -D 638/882	kg/cm ²	480
Tensile Elongation at Break	ASTM -D 638/882	%	65.00
Izoo Test	ASTM -D 256-54T	kg.cm/cm	85
Pencil Hardness		JIS-D5400	1H
THERMAL			
Std. Temperature Resistance	ASTM - D 1525-76	°C	120
Heat Distortion Temperature	ASTM-D 1637	°C	140
Flammability (if using UL resin)	UL94		V2
Melting Temperature	DSC Scanning	°C	255

List of Cleaning agent passed
Ammonia D (Drackett Brand), Clorox, Mr. Clean (P&G), Wisk (Unilever), Alochol, Downy, Formula 409, Top Lob, Spray N Wash, Spic-N-Span
List of household/ kitchen stain to be removed by water / above cleaning agent
Tea, Coffee, Mustard, Ketchup, Lemon juice, Orange/ Strawberry/ Grape juice, Vinegar, Soy sauce, Acid

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.