

WONDERLITE® PC-6710

Polycarbonate
CHI MEI CORPORATION

PROSPECTOR®

www.ulprospector.com

Technical Data

Product Description

PC, Flame Retardant, available in transparent

General

Material Status	• Commercial: Active		
Literature ¹	• Technical Datasheet (English)		
Search for UL Yellow Card	• CHI MEI CORPORATION • WONDERLITE®		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Flame Retardant		
RoHS Compliance	• RoHS Compliant		
Appearance	• Clear/Transparent		
Processing Method	• Injection Molding		

Physical	Nominal Value Unit	Test Method
Density / Specific Gravity	1.20 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	10 g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.50 to 0.70 %	ASTM D955

Mechanical	Nominal Value Unit	Test Method
Tensile Strength ³ (Yield)	61.8 MPa	ASTM D638
Tensile Elongation ³ (Break)	100 %	ASTM D638
Flexural Modulus ⁴	2160 MPa	ASTM D790
Flexural Strength ⁴	88.3 MPa	ASTM D790

Impact	Nominal Value Unit	Test Method
Notched Izod Impact (23°C, 0.125 mm)	830 J/m	ASTM D256

Hardness	Nominal Value Unit	Test Method
Rockwell Hardness (R-Scale, 23°C)	123	ASTM D785

Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load ⁵ 1.8 MPa, Unannealed	125 °C	ASTM D648
Vicat Softening Temperature	148 °C	ASTM D1525 ⁶

Flammability	Nominal Value Unit	Test Method
Flame Rating (3.0 mm)	V-0	UL 94

Optical	Nominal Value Unit	Test Method
Transmittance (2000 µm)	> 87.0 %	ASTM D1003
Haze (2000 µm)	< 1.20 %	ASTM D1003

Injection	Nominal Value Unit
Drying Temperature	120 °C
Drying Time	4.0 hr
Rear Temperature	280 to 310 °C
Middle Temperature	280 to 310 °C
Front Temperature	280 to 310 °C
Mold Temperature	70 to 100 °C



Notes

- ¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.
- ² Typical properties: these are not to be construed as specifications.
- ³ 50 mm/min
- ⁴ 1.3 mm/min
- ⁵ 120°C/hr
- ⁶ Rate A (50°C/h), Loading 2 (50 N)



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Where to Buy

Supplier

CHI MEI CORPORATION

Tainan County, Taiwan

Telephone: +886-6-266-3000

Web: <http://www.chimeicorp.com/>

Distributor

A. Westensee und Partner Rohstoff GmbH

Telephone: +49-4171-8812-0

Web: <http://www.awp-rohstoffe.de/>

Availability: Germany

AMP FRANCE

Telephone: +33-3-8920-1390

Web: <http://www.amp.fr/>

Availability: France

AMP TUNISIA

Telephone: +216-52-27-21-73

Web: <http://www.amp.fr/>

Availability: Tunisia

Calsak Polymers

Telephone: 800-743-2595

Web: <http://www.calsak.com/>

Availability: North America

Distrupol Ltd

Distrupol Ltd is a Pan European distribution company. Contact Distrupol Ltd for availability of individual products by country.

Telephone: 08452003040

Web: <http://www.distrupol.com/>

Availability: Belgium, Denmark, Finland, Ireland, Luxembourg, Netherlands, Norway, Sweden, United Kingdom

Entec Polymers

Telephone: 800-375-5440

Web: <http://www.entecpolymers.com/>

Availability: North America

