WONDERLITE® PC-6710

Polycarbonate

CHÍ MEI CORPORATION

Technical Data

PC, Flame Retardant, available in transp	arent		
General			
Material Status	Commercial: Active		
Literature ¹	Technical Datasheet (English	1)	
Search for UL Yellow Card	CHI MEI CORPORATION WONDERLITE®	, 	
Availability	 Africa & Middle East Asia Pacific	EuropeLatin 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			ASTM D648
1.8 MPa, Unannealed		125 °C	
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 Front Temperature		280 to 310 °C 280 to 310 °C	

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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

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