

**WONDERLITE PC-122U**

PC

CHIMEI Corporation

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melt volume-flow rate, MVR	22	cm <sup>3</sup> /10min	ISO 1133
Temperature	300	°C	-
Load	1.2	kg	-
Molding shrinkage, parallel	0.6	%	ISO 294-4, 2577
<b>ASTM Data</b>			
Melt Flow Index, MFI	22	g/10min	ASTM D 1238
Temperature	300	°C	-
Load	1.2	kg	-
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Yield stress	63	MPa	ISO 527
Stress at break	70	MPa	ISO 527
Flexural modulus, 23°C	2400	MPa	ISO 178
Flexural strength	90	MPa	ISO 178
Charpy notched impact strength, +23°C	60	kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength, +23°C	60	kJ/m <sup>2</sup>	ISO 180/1A
<b>ASTM Data</b>			
Tensile Strength at Yield	61.6	MPa	ASTM D 638
Flexural Modulus	2344	MPa	ASTM D 790
Flexural Strength	89.8	MPa	ASTM D 790
Rockwell Hardness	M 77	-	ASTM D 785
Izod Impact notched, 1/8 in	779	J/m	ASTM D 256
<b>Thermal properties</b>			
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	127	°C	ISO 75-1/-2
Vicat softening temperature, A	148	°C	ISO 306
Vicat softening temperature, B	143	°C	ISO 306
Coeff. of linear therm. expansion, parallel	70	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	V-2	class	IEC 60695-11-10
Thickness tested	3.0	mm	-
Yellow Card available	yes	-	-
<b>ASTM Data</b>			
UL 94 Flame rating	V-2	-	UL 94
Thickness tested	0.991	mm	-
DTUL @ 66 psi	143	°C	ASTM D 648
Vicat Temperature	148	°C	ASTM D 1525
<b>Electrical properties</b>			
<b>ASTM Data</b>			
Arc Resistance	90	s	ASTM D 495
<b>Other properties</b>			
Density	1200	kg/m <sup>3</sup>	ISO 1183
Density	1200	kg/m <sup>3</sup>	ASTM D 792
<b>Processing Recommendation Injection Molding</b>			
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	4	h	-
Mold temperature	70 - 120	°C	-
Feed temperature	220 - 300	°C	-
Zone 1	240 - 310	°C	-
Nozzle temperature	240 - 300	°C	-

**Characteristics**

**Processing**

Injection Molding

**Regional Availability**

Asia Pacific

**Special Characteristics**

U.V. stabilized or stable to weather