

**WONDERLITE PC-115P**

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	<b>15</b>	cm <sup>3</sup> /10min	ISO 1133
Temperature	<b>300</b>	°C	-
Load	<b>1.2</b>	kg	-
Molding shrinkage, parallel	<b>0.7</b>	%	ISO 294-4, 2577

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Yield stress	<b>65</b>	MPa	ISO 527
Stress at break	<b>70</b>	MPa	ISO 527
Flexural modulus, 23°C	<b>2400</b>	MPa	ISO 178
Flexural strength	<b>90</b>	MPa	ISO 178
Charpy notched impact strength, +23°C	<b>70</b>	kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength, +23°C	<b>70</b>	kJ/m <sup>2</sup>	ISO 180/1A

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	<b>128</b>	°C	ISO 75-1/-2
Vicat softening temperature, A	<b>150</b>	°C	ISO 306
Vicat softening temperature, B	<b>145</b>	°C	ISO 306
Coeff. of linear therm. expansion, parallel	<b>70</b>	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	<b>V-2</b>	class	IEC 60695-11-10
Thickness tested	<b>2.5</b>	mm	-

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1200</b>	kg/m <sup>3</sup>	ISO 1183

<b>Processing Recommendation Injection Molding</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Pre-drying - Temperature	<b>120</b>	°C	-
Pre-drying - Time	<b>4</b>	h	-
Mold temperature	<b>70 - 120</b>	°C	-
Feed temperature	<b>230 - 300</b>	°C	-
Zone 1	<b>250 - 310</b>	°C	-
Nozzle temperature	<b>250 - 300</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Chemical Resistance**

Radiation Resistance

**Certifications**

Biocompatibility ISO 10993

**Applications**

Medical, Packaging

**Regional Availability**

Asia Pacific