

# CHIMEI

a step up

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## General PC WONDERLITE® PC-115

Product Description: Low viscosity

| Properties                                     | ISO Test Method | Test Condition           | Unit              | PC-115                   |
|------------------------------------------------|-----------------|--------------------------|-------------------|--------------------------|
| <b>Melt Flow Index</b>                         | 1133            | 300°C × 1.2KG            | ml/10 min         | 15                       |
| <b>Mass Density</b>                            | 1183            | 23 °C                    | g/cm <sup>3</sup> | 1.2                      |
| <b>Tensile Strength</b>                        | 527             | 50 mm/min, yield         | MPa               | 64                       |
|                                                |                 | 50 mm/min, break         | MPa               | 70                       |
| <b>Tensile Elongation</b>                      | 527             | 50 mm/min                | %                 | 120                      |
| <b>Flexural Strength</b>                       | 178             | 2 mm/min                 | MPa               | 90                       |
| <b>Flexural Modulus</b>                        |                 | 2 mm/min                 | GPa               | 2.4                      |
| <b>Izod Impact Strength</b>                    | 180/1A          | 23°C, Notched, 1/8"      | KJ/m <sup>2</sup> | 70                       |
|                                                |                 | -30°C, Notched, 1/8"     | KJ/m <sup>2</sup> | -                        |
| <b>Charpy Impact Strength</b>                  | 179             | 23°C, Notched            | KJ/m <sup>2</sup> | 70                       |
|                                                |                 | Charpy<br>-30°C, Notched | KJ/m <sup>2</sup> | -                        |
| <b>Vicat Softening Temp.</b>                   | 306             | 50°C/hr; 1KG             | °C                | 150                      |
|                                                |                 | 50°C/hr; 5KG             | °C                | 145                      |
| <b>Heat Distortion Temp.</b>                   | 75/A            | 1.8MPa, unannealed       | °C                | 128                      |
|                                                |                 | 1.8MPa, annealed         | °C                | 143                      |
| <b>Coefficient of Linear Thermal Expansion</b> | 11359           | -                        | -                 | 6.0~8.0x10 <sup>-5</sup> |
| <b>Flammability</b>                            | -               | UL-94                    | -                 | 2.5mm V-2                |
| <b>Mold Shrinkage</b>                          | 294-4           | -                        | %                 | 0.5~0.7                  |
| <b>Symbol</b>                                  | 1043            | -                        | -                 | >PC<                     |

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Notes : These are typical properties only and are not to be construed as specifications. Users should confirm results by their own test

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