

# CHIMEI

a step up

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## Flame Retardant PC WONDERLITE® PC-6600

Product Description: 1.0mm V-0,Opaque

| Properties                                     | ISO Test Method | Test Condition        | Unit              | PC-6600                             |
|------------------------------------------------|-----------------|-----------------------|-------------------|-------------------------------------|
| <b>Melt Flow Index</b>                         | 1133            | 300°C × 1.2KG         | ml/10 min         | 10                                  |
| <b>Spiral flow</b>                             | CHIMEI          | 260°C,2mm,V:50%,P:50% | cm                | -                                   |
| <b>Mass Density</b>                            | 1183            | 23 °C                 | g/cm <sup>3</sup> | 1.2                                 |
| <b>Tensile Strength</b>                        | 527             | 50 mm/min, yield      | MPa               | 60                                  |
|                                                |                 | 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               | 2.3                                 |
| <b>Izod Impact Strength</b>                    | 180/1A          | 23°C, Notched         | KJ/m <sup>2</sup> | 60                                  |
|                                                |                 | -30°C, Notched        | KJ/m <sup>2</sup> | 15                                  |
| <b>Charpy Impact Strength</b>                  | 179             | 23°C, Notched         | KJ/m <sup>2</sup> | 60                                  |
|                                                |                 | -30°C, Notched        | KJ/m <sup>2</sup> | 15                                  |
| <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                | 125                                 |
|                                                |                 | 1.8MPa, annealed      | °C                | 140                                 |
| <b>Dielectric Constant</b>                     | IEC 60250       | 1MHz                  | --                | 3                                   |
| <b>Volume Resistivity</b>                      | IEC 60093       | --                    | Ohm X m           | 3.6E+14                             |
| <b>Surface Resistivity</b>                     | IEC 60093       | --                    | Ohm               | 9.3E+14                             |
| <b>Coefficient of Linear Thermal Expansion</b> | 11359           | -                     | -                 | 6.7*10-5                            |
| <b>Flammability</b>                            | -               | UL-94                 | -                 | 1.0mm V-0<br>2.0mm 5VB<br>3.0mm 5VA |
| <b>Mold Shrinkage</b>                          | 294-4           | -                     | %                 | 0.4~0.6                             |
| <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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