

## Flame Retardant PC WONDERLITE® PC-6715VT

Product Description: 1.5mm V-0,UV Stabilized,UL 746C f1,Transparent

| Properties                              | ISO Test Method | Test Condition        | Unit              | PC-6715VT |
|-----------------------------------------|-----------------|-----------------------|-------------------|-----------|
| Melt Flow Index                         | 1133            | 300°C × 1.2KG         | ml/10 min         | 6         |
| Spiral flow                             | CHIMEI          | 260°C,2mm,V:50%,P:50% | cm                | —         |
| Mass Density                            | 1183            | 23 °C                 | g/cm <sup>3</sup> | 1.2       |
| Tensile Strength                        | 527             | 50 mm/min, yield      | MPa               | 60        |
|                                         |                 | 50 mm/min, break      | MPa               | 65        |
| Tensile Elongation                      | 527             | 50 mm/min             | %                 | 120       |
| Flexural Strength                       | 178             | 2 mm/min              | MPa               | 90        |
| Flexural Modulus                        |                 | 2 mm/min              | GPa               | 2.3       |
| Izod Impact Strength                    | 180/1A          | 23 °C, 1/8" Notched   | KJ/m <sup>2</sup> | 60        |
|                                         |                 | -30 °C, 1/8" Notched  | KJ/m <sup>2</sup> | 15        |
| Charpy Impact Strength                  | 179             | 23 °C, 1/8" Notched   | KJ/m <sup>2</sup> | 60        |
|                                         |                 | -30 °C, 1/8" Notched  | KJ/m <sup>2</sup> | 15        |
| Vicat Softening Temp.                   | 306             | 1 Kg,50 °C/hr         | °C                | 150       |
|                                         |                 | 5 Kg,50 °C/hr         | °C                | 145       |
| Heat Distortion Temp.                   | 75/A            | 1.8 MPa Unannealed    | °C                | 125       |
|                                         |                 | 1.8 MPa Annealed      | °C                | 140       |
| Dielectric Constant                     | IEC 60250       | 1MHz                  | --                | 3         |
| Volume Resistivity                      | IEC 60093       | --                    | Ohm X m           | 1E+16     |
| Surface Resistivity                     | IEC 60093       | --                    | Ohm               | 1E+16     |
| Coefficient of Linear Thermal Expansion | 11359           | -                     | -                 | 6.8*10-5  |
| Flammability                            | -               | UL-94                 | -                 | 1.5mm V-0 |
| Mold Shrinkage                          | 294-4           | -                     | %                 | 0.4~0.6   |
| Symbol                                  | 1043            | -                     | -                 | >PC<      |

