

## General PC WONDERLITE® PC-145K

Product Description: High flow Recyclability

| Properties                              | ISO Test Method | Test Condition       | Unit              | PC-145K                  |
|---|-----------------|----------------------|-------------------|--------------------------|
| Melt Flow Index                         | 1133            | 300°C × 1.2KG        | ml/10 min         | 45                       |
| Mass Density                            | 1183            | 23 °C                | g/cm <sup>3</sup> | 1.2                      |
| Tensile Strength                        | 527             | 50 mm/min, yield     | MPa               | 62                       |
|   |                 | 50 mm/min, break     | MPa               | 64                       |
| Tensile Elongation                      | 527             | 50 mm/min            | %                 | 142                      |
| Flexural Strength                       | 178             | 2 mm/min             | MPa               | 92                       |
| Flexural Modulus                        |                 | 2 mm/min             | GPa               | 2.2                      |
| Izod Impact Strength                    | 180/1A          | 23°C, Notched, 1/8"  | KJ/m <sup>2</sup> | 50                       |
|   |                 | -30°C, Notched, 1/8" | KJ/m <sup>2</sup> | -                        |
| Charpy Impact Strength                  | 179             | 23 °C Notched        | KJ/m <sup>2</sup> | -                        |
|   |                 | -30 °C Notched       | KJ/m <sup>2</sup> | -                        |
| Vicat Softening Temp.                   | 306             | 1 Kg, 50 °C/hr       | °C                | 145                      |
|   |                 | 5 Kg, 50 °C/hr       | °C                | 140                      |
| Heat Distortion Temp.                   | 75/A            | 1.8 MPa Unannealed   | °C                | 120                      |
|   |                 | 1.8 MPa Annealed     | °C                | -                        |
| Coefficient of Linear Thermal Expansion | 11359           | -                    | -                 | 6.0~8.0x10 <sup>-5</sup> |
| Flammability                            | -               | UL-94                | -                 | 3.0mm V-2                |
| Mold Shrinkage                          | 294-4           | -                    | %                 | 0.5~0.7                  |
| Symbol                                  | 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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