

High Heat PC/ABS WONDERLOY® Characteristics PC-540

| PROPERTIES | ASTM TEST METHOD | TEST CONDITION | UNIT | HIGH HEAT |
|--------------------------|---------------------|-----------------|------------------------------------|--------------------------|
| | | | | PC-540 |
| Melt Flow Index | D1238 | 260 °C, 2.16 Kg | g/10 min | 21 |
| Mass Density | D792 | 23 °C | - | 1.18 |
| Hardness | D785 | - | M Scale | 119 |
| Mould Shrinkage | D955 | | % | 0.4~0.6 |
| Tensile Strength (Yield) | D638 | 6 mm/min | Kg/cm ² | 600 |
| | | | lb/in ² | 8320 |
| Tensile Elongation | D638 | 6 mm/min | % | 100 |
| Flexural Strength | D790 | 2.8 mm/min | Kg/cm ² | 910 |
| | | | lb/in ² | 12900 |
| Flexural Modulus | D790 | 2.8 mm/min | 10 ⁴ Kg/cm ² | 2.51 |
| | | | 10 ⁵ lb/in ² | 3.5 |
| Izod Impact Strength | D256 (Notched) | 3.2 mm, 23°C | Kg-cm/cm | 52 |
| | | | ft-lb/in | 9.52 |
| Vicat Softening Temp. | D1525 | 1 Kg, 50 °C/hr | °C | 107 |
| | | | °F | 225 |
| Heat Distortion Temp. | D648 | Unannealed | °C | 82 |
| | | | °F | 197 |
| UL Flammability | UL 94 | - | - | 1.5 mm V-0 2.0 mm 5VB |

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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 tests.

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