

High Heat ASA KIBILAC® Characteristics PW-978B

Product Description: High Heat

| Properties | ISO Test Method | Test Condition | Unit | High Heat PW-978B |
|---|-----------------|--------------------|-------------------|----------------------|
| Melt Flow Index | 1133 | 220°C × 10KG | ml/10 min | 12.0 |
| Mass Density | 1183 | 23 °C | g/cm ³ | 1.07 |
| Tensile Strength | 527 | 50 mm/min, yield | MPa | 47 |
| | | 50 mm/min, break | MPa | 34 |
| Tensile Elongation | 527 | 50 mm/min | % | 20 |
| Flexural Strength | 178 | 2 mm/min | MPa | 67 |
| Flexural Modulus | | 2 mm/min | GPa | 2.1 |
| Izod Impact Strength | 180/1A | 23 °C Notched | KJ/m ² | 12.0 |
| | | -30 °C Notched | KJ/m ² | 5.0 |
| Charpy Impact Strength | 179 | 23 °C Notched | KJ/m ² | 12.3 |
| | | -30 °C Notched | KJ/m ² | 6.0 |
| Vicat Softening Temp. | 306 | 1 Kg, 50 °C/hr | °C | 112 |
| | | 5 Kg, 50 °C/hr | °C | 100 |
| Heat Distortion Temp. | 75/A | 1.8 MPa Unannealed | °C | 86 |
| | | 1.8 MPa Annealed | °C | 105 |
| Coefficient of Linear Thermal Expansion | 11359 | - | - | 9.1x10 ⁻⁵ |
| Flammability | - | UL-94 | - | 1.5mm HB |
| Mold Shrinkage | 294-4 | - | % | 0.4~0.7 |
| Symbol | 1043 | - | - | >ASA< |

November 2, 2014

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

The above statement is based on our current level of knowledge and covers the above products directly manufactured and supplied by CHI MEI CORPORATION at the date of issue. CHI MEI CORPORATION makes no warranties, whether express or implied, and assumes no liability in connection with any use of above information. Notwithstanding the foregoing, CHI MEI CORPORATION shall in no event be held obligated or liable for any claims due to or arising from (i) any customer provided, consigned, materials and/or parts, which are incorporated or adopted in the products; (ii) any combination of the products with material not provided or authorized by our company; (iii) any modifications to the products which are made or directed by customer; (iv) our compliance with the specifications, instructions, and/or designs provided by customer; (v) any anti-trust, unfair competition and/or other unlawful actions effected by customer; or (vi) any defects, infringement, breach and/or violation which are arising out of customer's faults or otherwise not solely and directly attributable to CHI MEI CORPORATION. In no event will CHI MEI CORPORATION be liable for any indirect, special, exemplary, punitive, or consequential damages (including lost profits) of any nature whatsoever whether arising out of the purchase, shipment, unloading, handling, or use of any product or otherwise.