CHIMEI
a step up

奇美實業股份有限公司
717010 台南市仁德區中正路一段 398 號
+886-6-266-3000
www.chimeicorp.com

CHIMEI CORPORATION
No. 398 , Sec. 1 , Zhongzheng Rd., Rende Dist., Tainan City 717010 , Taiwan

# General SAN KIBISAN® PN-117

Product Description: Injection molding

| Properties | ISO Test Method | Test Condition | Unit | PN-117 |
|---|---|---|---|---|
| Melt Flow Index | 1133 | 220℃×10KG | ml/10 min | 32 |
| Mass Density | 1183 | 23 ℃ | g/cm³ | 1.06 |
| Tensile Strength | 527 | 50 mm/min, yield | MPa | 68 |
| | | 50 mm/min, break | MPa | 68 |
| Tensile Elongation | 527 | 50 mm/min | % | 6 |
| Flexural Strength | 178 | 2 mm/min | MPa | 93 |
| Flexural Modulus | | 2 mm/min | GPa | 3.0 |
| Izod Impact Strength | 180/1A | 23℃, Notched | KJ/m² | 2 |
| | | -30℃, Notched | KJ/m² | – |
| Charpy Impact Strength | 179 | 23 ℃ Notched | KJ/m² | 2 |
| | | -30 ℃ Notched | KJ/m² | – |
| Vicat Softening Temp. | 306 | 1 Kg,50 ℃/hr | ℃ | 104 |
| | | 5 Kg,50 ℃/hr | ℃ | 102 |
| Heat Distortion Temp. | 75/A | 1.8 MPa Unannealed | ℃ | 89 |
| | | 1.8 MPa Annealed | ℃ | 100 |
| Coefficient of Linear Thermal Expansion | 11359 | - | - | 3.6~3.8*10-5 |
| Flammability | - | UL-94 | - | 1.5mm HB |
| Mold Shrinkage | 294-4 | - | % | 0.2~0.7 |
| Symbol | 1043 | - | - | >SAN< |

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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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