

## General SAN KIBISAN® PN-117\_L100

Product Description: Injection molding

| Properties               | ASTM Test Method | Test Condition | Unit                               | PN-117_L100 |
|--------------------------|------------------|----------------|------------------------------------|-------------|
| Melt Flow Index          | D1238            | 200°C, 5 Kg    | g/10 min                           | 2.8         |
|                          |                  | 220°C, 10 Kg   |                                    | -           |
| Mass Density             | D792             | 23 °C          | -                                  | 1.06        |
| Hardness                 | D785             | -              | M Scale                            | 83          |
| Tensile Strength (Yield) | D638             | 6 mm/min       | Kg/cm <sup>2</sup>                 | 700         |
|                          |                  |                | lb/in <sup>2</sup>                 | 9920        |
| Tensile Elongation       | D638             | 6 mm/min       | %                                  | 3.7         |
| Flexural Strength        | D790             | 2.8 mm/min     | Kg/cm <sup>2</sup>                 | 1000        |
|                          |                  |                | lb/in <sup>2</sup>                 | 14200       |
| Flexural Modulus         |                  | 2.8 mm/min     | 10 <sup>4</sup> Kg/cm <sup>2</sup> | 3.5         |
|                          |                  |                | 10 <sup>5</sup> lb/in <sup>2</sup> | 5.0         |
| Izod Impact Strength     | D256 (Notched)   | 6.4 mm, 23°C   | Kg-cm/cm                           | 1.7         |
|                          |                  |                | ft-lb/in                           | 0.31        |
|                          |                  | 3.2 mm, 23°C   | Kg-cm/cm                           | 1.8         |
|                          |                  |                | ft-lb/in                           | 0.33        |
| Vicat Softening Temp.    | D1525            | 1 Kg,50°C/hr   | °C                                 | 104         |
|                          |                  |                | °F                                 | 219         |
| Heat Distortion Temp.    | D648             | Annealed       | °C                                 | 100         |
|                          |                  |                | °F                                 | 212         |
|                          |                  | Unannealed     | °C                                 | 90          |
|                          |                  |                | °F                                 | 194         |
| Flammability             | UL-94            | -              | -                                  | 1.5mm HB    |

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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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