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Product Information  
 Ver. : 1.0

**SAN 1400**  
**AS Resin**

**DESCRIPTION**

- Injection
- Compounding

| Properties                  | Test      | Test Condition   | SI unit            |       |
|-----------------------------|-----------|--|--------------------|-------|
|                             |           |  | Unit               | s.p.  |
| <b>Mechanical</b>           |           |  |                    |       |
| Izod Impact Strength        | ASTMD256  | 23°C, 1/4 in notched                                       | kg-cm/cm           | 1.8   |
| Izod Impact Strength        | ASTMD256  | 23°C, 1/8 in notched                                       | kg-cm/cm           | 1.9   |
| Tensile Strength at Yield   | ASTMD638  | 23°C, 1/8 in, 5 mm/min                                     | kg/cm <sup>2</sup> | 710   |
| Tensile Strength at Break   | ASTMD638  | 23°C, 1/8 in, 5 mm/min                                     | kg/cm <sup>2</sup> | 700   |
| Elongation at Break         | ASTMD638  | 23°C, 1/8 in, 5 mm/min                                     | %                  | 5     |
| Flexural Yield              | ASTMD790  | 23°C, 2.8 mm/min   | kg/cm <sup>2</sup> | 1100  |
| Flexural Modulus            | ASTMD790  | 23°C, 2.8 mm/min   | kg/cm <sup>2</sup> | 34000 |
| <b>Thermal</b>              |           |  |                    |       |
| Heat Distortion Temperature | ASTMD648  | Unannealed, 1/2 in, 18.56 kg/cm <sup>2</sup> load pressure | °C                 | 91    |
| Vicat Softening Temperature | ASTMD1525 | 1/8 in, 1 kg load  | °C                 | 104   |
| <b>Physical</b>             |           |  |                    |       |
| Specific Gravity            | ASTMD792  |  |                    | 1.06  |
| Rockwell Hardness           | ASTMD785  | 23°C   | M-scale            | 83    |
| Mold Shrinkage              | ASTMD955  |  | %                  | ≤ 0.5 |
| Melt Flow Index             | ASTMD1238 | 200°C, 5kg load  | g/10min            | 2.8   |
|                             |           | 220°C, 10kg load   | g/10min            | 30    |
| <b>Flammability</b>         | UL-94     | 1/16 in  | File No E50263     | HB    |

Note : The data listed represent average values and are believed to be reliable. They are given for information; no guarantee of their accuracy is made.