

**SAN 1200****AS Resin****DESCRIPTION**

- Injection
- Compounding alloy
- Masterbatch carrier

| Properties | Test | Test Condition | SI unit | |
|-----------------------------|-----------|--|----------------|-------|
| | | | Unit | s.p. |
| Mechanical | | | | |
| Izod Impact Strength | ASTMD256 | 23°C , 1/4 in notched | kg-cm/cm | 1.7 |
| Izod Impact Strength | ASTMD256 | 23°C , 1/8 in notched | kg-cm/cm | 1.8 |
| Tensile Strength at Yield | ASTMD638 | 23°C , 1/8 in, 5 mm/min | kg/cm² | 700 |
| Tensile Strength at Break | ASTMD638 | 23°C , 1/8 in, 5 mm/min | kg/cm² | 690 |
| Elongation at Break | ASTMD638 | 23°C , 1/8 in, 5 mm/min | % | 5 |
| Flexural Yield | ASTMD790 | 23°C , 2.8 mm/min | kg/cm² | 1100 |
| Flexural Modulus | ASTMD790 | 23°C , 2.8 mm/min | kg/cm² | 34000 |
| Thermal | | | | |
| Heat Distortion Temperature | ASTMD648 | Unannealed, 1/2 in, 18.56 kg/cm² load pressure | °C | 90 |
| Vicat Softening Temperature | ASTMD1525 | 1/8 in , 1 kg load | °C | 103 |
| Physical | | | | |
| 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 | 3.2 |
| Flammability | 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.