



TAITALAC 1400ZN001

SAN Resin

Acrylonitrile Styrene (AS) Resin

Characteristics

- Injection molding
- Compounding

Applications

- Glass fiber compounding
- Alloy compounding
- House-ware

| Properties | Test | Test Condition | SI unit | |
|---------------------------------|------------|-----------------------------|--------------------|-------|
| | | | Unit | s.p. |
| Rheological Properties | | | | |
| Specific Gravity | ASTM D792 | 23°C | g/cm ³ | 1.03 |
| Melt Volume Rate | ASTM D1238 | 200°C, 5kg load | g/10min | 2.8 |
| Mechanical Properties | | | | |
| Izod Impact Strength | ASTMD256 | 23°C, 1/4" Notched | kg-cm/cm | 1.8 |
| Izod Impact Strength | ASTMD256 | 23°C, 1/8" Notched | kg-cm/cm | 1.9 |
| Tensile Strength at Yield | ASTMD638 | 23°C, 5 mm/min | kg/cm ² | 710 |
| Tensile Strength at Break | ASTMD638 | 23°C, 5 mm/min | kg/cm ² | 700 |
| Elongation at Break | ASTMD638 | 23°C, 5 mm/min | % | 5 |
| Flexural Yield | ASTMD790 | 23°C, 2.8 mm/min | kg/cm ² | 1100 |
| Flexural Modulus | ASTMD790 | 23°C, 2.8 mm/min | kg/cm ² | 34000 |
| Thermal Properties | | | | |
| Heat Distortion Temperature | ASTMD648 | unannealing 1.8MPa | °C | 91 |
| Vicat Softening Temperature | ASTMD1525 | 50°C/hr , 1 kg load | °C | 104 |
| Physical Properties | | | | |
| Rockwell Hardness | ASTMD785 | 23°C, R-scale | R-scale | M-83 |
| Mold Shrinkage | ASTMD955 | 60×60×2mm S _{Flow} | % | ≤ 0.5 |
| Moisture Absorption Equilibrium | ASTMD570 | 23°C/50% RH | wt % | ≤ 0.3 |
| Flammability | | | | |
| | UL-94 | 1/16 inch | 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.