

Technical Data Sheet (ASTM)

**ABS(Acrylonitrile Butadiene Styrene)
ABS 720B**

Features High rigidity, High toughness
Applications Bobbin

| Physical | Test Method | Value |
|---|--------------------|----------------------------|
| Density | ASTM D792 | 1.04 g/cm ³ |
| Melt Flow Index (220°C, 10kg) | ASTM D1238 | 20 g/10min |
| Melt Flow Index (200°C, 21.6kg) | ASTM D1238 | 30 g/10min |
| Mold Shrinkage | ASTM D955 | 0.5 ~ 0.8 % |
| Water absorption | ASTM D570 | - % |
| Mechanical | Test Method | Value |
| Tensile Strength | ASTM D638 | 490 kgf/cm ² |
| Elongation | ASTM D638 | 30 % |
| Flexural Strength | ASTM D790 | 680 kgf/cm ² |
| Flexural Modulus | ASTM D790 | 24,500 kgf/cm ² |
| Izod Impact Strength(3.2mm, 23°C) | ASTM D256 | 24 kgf-cm/cm |
| Izod Impact Strength(6.4mm, 23°C) | ASTM D256 | 20 kgf-cm/cm |
| Rockwell Hardness(R scale) | ASTM D785 | 110 |
| Thermal | Test Method | Value |
| Heat Deflection Temperature(18.6kgf/cm ²) | ASTM D648 | 88 °C |
| Vicat Softening Temperature(5kg, 50°C/h) | ASTM D1525 | 99 °C |
| Flammability | Test Method | Value |
| Flame Rating - UL (1.6mm) | UL 94 | HB |

Notes

These are just typical properties, not specifications. Users should confirm results by their own test.