



Technical Data Sheet (ISO)

Carbon-Fiber Reinforced ABS(Acrylonitrile Butadiene Styrene)
CF0

Features Low warping, Extreme strength, High dimensional stability
Characteristics Surface Conductivity, Enhanced mechanical properties

| Physical | Test Method | Value |
|------------------|--------------------|------------------------|
| Specific gravity | ISO 1183 | 1.08 g/cm ³ |
| Water absorption | ISO 62 | 0.23 % |

| Mechanical | Test Method | Value |
|-------------------------------|--------------------|----------------------|
| Tensile Strength(at yield) | ISO 527 | 52 Mpa |
| Elongation(at break) | ISO 527 | 2-3% |
| Flexural Strength | ISO 178 | 66 MPa |
| Flexural Modulus | ISO 178 | 7,100 Mpa |
| Izod Impact, unnotched (23°C) | ISO 180/1U | 15 KJ/m ² |
| Izod Impact, notched (23°C) | ISO 180/1A | 7 KJ/m ² |

| Thermal | Test Method | Value |
|---|--------------------|--------------|
| Heat Deflection Temperature(1.8Mpa, Annealed) | ISO 75/Af | 99°C |
| Heat Deflection Temperature(0.45Mpa, Under Load) | ISO 75/Bf | 104°C |

Notes

These are just typical properties, not specifications.