

FS4100PA

Advanced PA11 Material offering excellent impact resistance

Key Features:

- > Excellent toughness and impact resistance
- > Good heat and chemical resistance
- > Excellent biocompatibility
- > Low water absorption, low temperature resistance

[Technical Data]

General Properties

Bulk Density 0.49 g/cm³

Part Density 1.03 g/cm³

Color White

Thermal Properties

Melting Point (10°C/min) ISO 11357-1:2020 203 °C

Heat Deflection Temp(HDT) @1.8 MPa ISO 78-1:2020 49 °C

Heat Deflection Temp(HDT) @0.45 MPa ISO 78-1:2020 150 °C

Mechanical Properties

Tensile Strength ISO 527-1:2019 49 MPa

Tensile Modulus ISO 527-1:2019 1542 MPa

Elongation at Break ISO 527-1:2018 58%

Flexural Strength ISO 178:2019 60 MPa

Flexural Modulus ISO 178:2019 1463 MPa

Izod Impact Strength (notched) ISO 180:2019 25 KJ/m²

Izod Impact Strength (unnotched) ISO 180:2019 No break

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Example Applications:

- > Perfect for functional end-use parts requiring strength, flexibility and durability
- > Medical orthopedic, automotive interior
- > Industrial applications such as injection molding



Scoliosis Orthosis
 System: HT403P
 Partner: Huaxiang Group

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