

Ultrasint® PP nat 01

Advanced Industrial Material features outstanding elongation

Key Features:

- > Excellent chemical stability, low water absorption
- > Good mechanical strength, rigidity, elongation
- > Optimized formula for laser sintering process

Example Applications:

- > Automotive, electrical, healthcare and sport parts
- > Industrial end-use parts durable and flexible
- > Functional applications requiring mechanical loads and chemical resistance

[Technical Data]

General Properties	Bulk Density	0.33 g/cm ³
	Part Density	0.89 g/cm ³
	Color	White
Thermal Properties	Melting Point (10°C/min) <small>ISO 11357-1:2020</small>	140 °C
	Heat Deflection Temp(HDT) @1.8 MPa <small>ISO 78-1:2020</small>	62 °C
	Heat Deflection Temp(HDT) @0.45 MPa <small>ISO 78-1:2020</small>	102 °C
Mechanical Properties	Tensile Strength <small>ISO 527-1:2019</small>	28 MPa
	Tensile Modulus <small>ISO 527-1:2019</small>	1400 MPa
	Elongation at Break <small>ISO 527-1:2018</small>	30%
	Flexural Strength <small>ISO 178:2019</small>	n/a
	Flexural Modulus <small>ISO 178:2019</small>	1250 MPa
	Izod Impact Strength (notched) <small>ISO 180:2019</small>	3.5 KJ/m ²
	Izod Impact Strength (unnotched) <small>ISO 180:2019</small>	24 KJ/m ²

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Brake Oil Storage Tank
 System: HT403P
 Partner: BASF

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