

Material Name: TPU Shore 90A, Shore 75A

Color: White and can be dyed into any customized color

Technology: Selective Laser Sintering

**Key Benefits**

Durable and can include interlocking features.

**Ideal applications**

Automotive, Medical, Robotics, Hoses, Seals, Footwear, Helmet interiors, Toy tires

General information	Test Standard	Value
Bulk Density		0.64 g/cm <sup>3</sup>
Part Density		1.12 g/cm <sup>3</sup>
Color		Light yellow
<b>Thermal Properties</b>		
Melting Point(10°C /min)	ISO 11357.1:1997	169°C
Heat Deflection Temp(HDT) @ 1.8 MPa	ISO 75-2:2003	n/a
Heat Deflection Temp(HDT) @ 0.45 MPa	ISO 75-2:2003	n/a
<b>Mechanical Properties</b>		
Tensile Strength	ISO 527.2:1993	18 MPa
Tensile Modulus	ISO 527.2:1993	61 MPa
Elongation at Break	ISO 527.2:1993	276%
Flexural Strength	ISO 178:2001	6.2 MPa
Flexural Modulus	ISO 178:2001	86 MPa
Izod Impact Strength (notched)	ISO 180:2000	No break
Izod Impact Strength (unnotched)	ISO 180:2000	No break

**Disclaimer**

The typical values presented in this document are intended for reference and comparison purposes only. They should not be used for design specifications or quality control purposes. Actual values may vary significantly with printing conditions. End-use performance of printed parts properties can be impact by, but not limited to, part design, environmental conditions, printing conditions, etc. Product specifications are subject to change without notice.

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