MATERIAL DATA SHEET

IN3DTEC

Material Name: TPU Shore 90A, Shore 75A
Color: White and can be dyed into any customized color
Technology: Selective Laser Sintering

Key Benifits
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^3
Part Density		1.12 g/cm^3
Color		Light yellow
Thermal Properties		
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
Mechanical Properties		
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