

**LUVOSINT X92A-1**

TPU

LEHVOSS Group

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt volume-flow rate, MVR	18	cm <sup>3</sup> /10min	ISO 1133
Temperature	190	°C	-
Load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Shore A hardness	88	-	ISO 7619-1
<b>Other Standards<sup>[5]</sup></b>			
Flexural modulus, 23°C	27	MPa	ISO 6721-1
Flexural modulus	72	MPa	ISO 6721-1
Flexural modulus temperature	60	°C	-

S: These properties are reported by the producer according standards that are different to our defaults.

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Melting temperature, 10°C/min	160	°C	ISO 11357-1/-3
Vicat softening temperature, A	90	°C	ISO 306
<b>Other Standards<sup>[5]</sup></b>			
Glass transition temperature, 10°C/min	-13.6	°C	ISO 6721-1

S: These properties are reported by the producer according standards that are different to our defaults.

Other properties	Value	Unit	Test Standard
Density	1200	kg/m <sup>3</sup>	ISO 1183
Bulk density	457	kg/m <sup>3</sup>	-

3D Data	Value	Unit	Test Standard
<b>Other Standards<sup>[5]</sup></b>			
Tensile strength, flat	20 <sup>[1]</sup>	MPa	DIN 53504
Tensile strength, upright	15 <sup>[2]</sup>	MPa	DIN 53504
Strain at break, flat	520 <sup>[1]</sup>	%	DIN 53504
Strain at break, upright	500 <sup>[2]</sup>	%	DIN 53504

1: XY-direction 2: ZX-direction S: These properties are reported by the producer according standards that are different to our defaults.

**Characteristics****Processing**

Additive Manufacturing, Laser Sintering

**Applications**

Sports Equipment

**Delivery form**

Powder, Natural Color

**Regional Availability**

North America, Europe, Asia Pacific, South and Central America