

**PA 650**

PA12

Advanced Laser Materials, LLC

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Tensile Modulus	1700 <sup>[1]</sup>	MPa	ASTM D 638
Tensile Strength	48 <sup>[1]</sup>	MPa	ASTM D 638
Elongation at Break	24 <sup>[1]</sup>	%	ASTM D 638
Flexural Modulus	1500 <sup>[1]</sup>	MPa	ASTM D 790
Shore D Hardness	73	-	ASTM D 2240
Izod Impact notched, 1/8 in	32 <sup>[1]</sup>	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	336 <sup>[1]</sup>	J/m	ASTM D 256

1: XY-axis

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
DTUL @ 66 psi	180	°C	ASTM D 648
DTUL @ 264 psi	95	°C	ASTM D 648

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	1020	kg/m <sup>3</sup>	ASTM D 792
Bulk Density	460	kg/m <sup>3</sup>	-

**Characteristics****Processing**

Additive Manufacturing, Laser Sintering

**Applications**

Sports Equipment

**Delivery form**

Powder, White

**Regional Availability**

North America, Europe, Asia Pacific