

**PA 250**

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	<b>1740<sup>[1]</sup></b>	MPa	ASTM D 638
Elongation at Break	<b>22<sup>[1]</sup></b>	%	ASTM D 638
Flexural Modulus	<b>1500</b>	MPa	ASTM D 790
Shore D Hardness	<b>73</b>	-	ASTM D 2240
Izod Impact notched, 1/8 in	<b>32</b>	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	<b>179</b>	°C	ASTM D 648
DTUL @ 264 psi	<b>86</b>	°C	ASTM D 648

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1010</b>	kg/m <sup>3</sup>	ASTM D 792
Bulk Density	<b>500</b>	kg/m <sup>3</sup>	-

**Characteristics****Processing**

Additive Manufacturing, Laser Sintering

**Applications**

Medical

**Delivery form**

Powder, White

**Regional Availability**

North America, Europe, Asia Pacific