

PA 616-GS

PA12-GB50

Advanced Laser Materials, LLC

| Mechanical properties | Value | Unit | Test Standard |
|-------------------------------|---------------------------|-------------|----------------------|
| ASTM Data | | | |
| Tensile Modulus | 5910^[1] | MPa | ASTM D 638 |
| Tensile Strength | 38^[1] | MPa | ASTM D 638 |
| Elongation at Break | 2^[1] | % | ASTM D 638 |
| Flexural Modulus | 3300^[1] | MPa | ASTM D 790 |
| Izod Impact notched, 1/8 in | 96^[1] | J/m | ASTM D 256 |
| Izod Impact unnotched, 1/8 in | 120^[1] | J/m | ASTM D 256 |

1: XY-axis

| Thermal properties | Value | Unit | Test Standard |
|---------------------------|--------------|-------------|----------------------|
| ASTM Data | | | |
| DTUL @ 66 psi | 179 | °C | ASTM D 648 |
| DTUL @ 264 psi | 134 | °C | ASTM D 648 |

| Other properties | Value | Unit | Test Standard |
|-------------------------|--------------|-------------------|----------------------|
| Density | 1490 | kg/m ³ | ASTM D 792 |
| Bulk Density | 670 | kg/m ³ | - |

Characteristics**Processing**

Additive Manufacturing, Laser Sintering

Delivery form

Powder

Chemical Resistance

Alkali Resistance, Solvent Resistance

Applications

Automotive

Regional Availability

North America, Europe, Asia Pacific