

PA 605-A

PA12-MEF(Al)

Advanced Laser Materials, LLC

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	3709 ^[1]	MPa	ASTM D 638
Tensile Strength	43 ^[1]	MPa	ASTM D 638
Elongation at Break	3 ^[1]	%	ASTM D 638
Flexural Modulus	3517 ^[1]	MPa	ASTM D 790
Flexural Strength	44 ^[1]	MPa	ASTM D 790

1: XY-axis

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 66 psi	180	°C	ASTM D 648
DTUL @ 264 psi	137	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Dielectric Strength, Short Time	0.18	kV/mm	ASTM D 149

Other properties	Value	Unit	Test Standard
Density	1470	kg/m ³	ASTM D 792
Bulk Density	670	kg/m ³	-

Characteristics**Processing**

Additive Manufacturing, Laser Sintering

Delivery form

Powder

Special Characteristics

Thermally Conductive

Features

Metallic effect

Applications

Automotive

Regional Availability

North America, Europe, Asia Pacific