

POWDER PROPERTIES	TEST METHOD	ALM PA , (\$!; G€
Bulk Density	ASTM D1895	0.1 Ggrams/CC
Average Particle Size (D50)	Laser Diffraction	VÖÖ
Particle Size Range (D10-D90)	Laser Diffraction	VÖÖ
Specific Gravity	ASTM D792	€.1 ĩ grams/CC

THERMAL PROPERTIES	TEST METHOD	ALM PA , (\$!; G€
Melting Point	ASTM D3418	G€€ Deg C
Melt Flow Rate (3min, 5.0kg, 235C)	ASTM D1238	VÖÖ

MECHANICAL PROPERTIES	TEST METHOD	ALM PA , (\$!; G€
Heat Deflection Temp @ 0.45 MPa	ASTM D648	VÖÖ
Heat Deflection Temp @ 1.82 MPa	ASTM D648	VÖÖ
Ultimate Tensile Strength (XY)	ASTM D638	I J MPa / ĩ ,F€€ psi
Tensile Modulus (XY)	ASTM D638	HĔ I ĩ MPa / í €€ kpsi
Flexural Modulus	ASTM D790	VÖÖ
Elongation at Break (XY)	ASTM D638	í ĔĂ
IZOD Impact Strength (Unnotched)	ASTM D256	VÖÖ
IZOD Impact Strength (Notched)	ASTM D256	VÖÖ
Volume Resistivity (22C, 50%RH, 500V)	ASTM D257-93	VÖÖ
Surface Resistivity (22C, 50%RH, 500V)	ASTM D257-93	VÖÖ
Dielectric Constant (22C, 50%RH, 500V)	ASTM D150-95	VÖÖ

Actual part properties may vary slightly from those listed above based on processing parameters, operating conditions, and material usage. The above properties were based on virgin ALM PA ĩ | EUROUS using nominal operating parameters on a 2500+ platform. Advanced Laser Materials, LLC makes no warranties of materials for any particular application, nor does it make a warranty of any type, expressed or implied, including, but not limited to, the warranties of merchantability for a particular purpose.

