

PA 615-GS

Glass Filled Nylon 12 Laser Sintering Material

Technical Data Sheet

MATERIAL PROPERTIES	TEST	PA 615-GS
Density, Bulk	ASTM D 1895	0.75 g/cc
Specific Gravity	ASTM D 792	1.07 g/cc
THERMAL PROPERTIES		
Melting Point	ASTM D 3418	179°C
Melt Flow Rate (180 sec., 1.0kg, 235°C)	ASTM D 1238	8 +/- 2 g/10 min
TYPICAL PART PROPERTIES		
Tensile Strength, Ultimate		
XY Orientation	ASTM D 638	31 MPa / 4,500 psi
Tensile Modulus	ASTM D 638	4,100 MPa / 595 kpsi
Flexural Modulus	ASTM D 790	3,100 MPa / 450 kpsi
Elongation at Break		
XY Orientation	ASTM D 1895	1.6%
Heat Deflection Temperature (1.82MPa @264psi)	ASTM D 648	134°C
Volume Resistivity	ASTM D 257-93	3.2 x 10 ⁻¹¹ Ohm/cm

Warranty/Disclaimer: Actual part properties may vary significantly from those listed above based on processing parameters, operating conditions, and material usage. 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.



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