

PA 601-CF

Carbon Fiber Filled Nylon 12 Laser Sintering Material

Technical Data Sheet

MATERIAL PROPERTIES	TEST	PA 601-CF
Specific Gravity	ASTM D 792	1.07 g/cc
Colour	Dark Grey	
Izod Impact Strength (Method A, Notched)	ASTM D 256	1.02 ft-lb/in
THERMAL PROPERTIES	TEST	PA 601-CF
Melting Point	ASTM D 3418	184°C
HDT at 1.82MPa, 264 psi	ASTM D 648	177°C
TYPICAL PART PROPERTIES	TEST	PA 601-CF
Tensile Strength, Ultimate	ASTM D 638	66-76 MPa / 9,500-11,000 psi
Tensile Modulus	ASTM D 638	3,000-7,000 MPa / 450-1,000 kpsi
	ASTM D 790	3,447 MPa / 500 kpsi
Elongation at Break	ASTM D 638	3.6% to 4.6%

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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