

PA605A

Material Data

Aluminum filled nylon produces parts that give the appearance of cast aluminum. This is great for areas in the automotive industry, tooling and fixtures. Also this material is a candidate for use in wind tunnels.

Mechanical Properties	Value	Test Standard
Sintered Part Density	1.47 g/cm ³	ASTM D792
Flexural Modulus(XY)	3517 MPa	ASTM D790
Ultimate Tensile Strength (XY)	43 MPa	ASTM D638
Ultimate Tensile Strength (Z)	37 MPa	ASTM D638
Shore D hardness (15s)	73	ASTM D2240

Thermal Properties	Value	Test Standard
Heat Defection Temperature	137° C @ 1.82 MPa	ASTM D648

Product Features:

- Excellent Thermal and mechanical properties
- Finished parts look like cast aluminum

Characteristic:

Processing Laser Sintering

Natural Color White