

## SLS Materials

### Selective Laser Sintering (SLS)

We can convert your CAD files into 3D objects, dimensionally accurate very fast, using the selective laser sintering method. DuraForm GF uses a glass filled polyamide0nylon plastic to test fit functional and direct digital manufactured components.

This material is ideal for thermally stressed parts that require actual testing mechanical stiffness, durability, and chemically resistant to alkaline, hydro-carbonates, fuels as well as solvents.

#### Process Selective Laser Sintering / Laser Sintering

<b>Product:</b>	DuraForm GF – Nylon – Natural White
<b>Tensile Strength (ASM D638):</b>	26 MPa   3,771 PSI
<b>Tensile Modulus (ASM D638):</b>	4,068 MPa   590,000 PSI
<b>Elongation @ Break % (ASTM D638):</b>	1.4%
<b>Flexural Strength (ASTM D790):</b>	37 MPa   5,336 PSI
<b>Flexural Modulus (ASTM D790):</b>	3,106 MPa   450,000 PSI
<b>Color :</b>	Natural White
<b>Applications:</b>	Housings and enclosures, consumer sporting goods, rapid manufacturing, complex production or prototype plastic parts, capable of producing snap fits and living hinges.

Disclaimer: All tolerance specifications reflect the approximate range of a process's capabilities and should be viewed only as a guide. Actual capabilities are dependent upon manufacturing, equipment, material, and part requirements.