

This material is one of our most popular. PA2201 material is good for production parts as well as for prototyping. This is the best solution for substituting injection molded parts. PA2201 also has a high abrasion resistance which make is good for use in movable part connections. It is well suited for most applications. Below you will find a list of mechanical and thermal properties.

Mechanical Properties	Value	Unit	Test Standard
Flexural Modulus, 23°C	1500	MPa	ISO 178
Flexural Strength	58	MPa	ISO 178
Elongation at break	24	%	ASTM D638
Izod Impact notched, 23°C	4.4	kJ/m <sup>2</sup>	ISO 180/1A
Izod Impact unnotched, 23°C	32.8	kJ/m <sup>2</sup>	ISO 180/1U
Shore D hardness (15s)	75	—	ISO 868
Ball indentation hardness	78	MPa	ISO 2039-1

Thermal Properties	Value	Unit	Test Standard
Melting temperature (10°C/min)	172-180	°C	ISO 11357-1/-3
Vicat softening temperature A	181	°C	ISO 306
Vicat softening temperature (50°C/h 50N)	163	°C	ISO 306

### Product Features:

- High Strength and stiffness
- Good chemical resistance
- High detail resolution

### Characteristic:

**Processing** Laser Sintering

**Natural Color** White