

# PLA (Standard grade)

## Key Features

Low shrinkage • Wide range of colours

## Applications

Prototyping • Consumer goods

## Product Description

PLA offers good tensile strength and surface quality, making it easy to work with at high print speeds. It's user-friendly for home and office environments, enabling the creation of good-resolution parts. With a wide range of color options available, PLA is suitable for various applications including household tools, toys, educational projects, show objects, prototyping and architectural models.

## Properties

Tensile modulus	2,346.5 MPa
Tensile strength	49.5 MPa
Elongation at break	45.6 %
Flexural strength	103 MPa
Flexural modulus	3,150 MPa
Melting temperature	45 - 160°C
Glass transition temperature	~60°C
Density	1.24 g/cm <sup>3</sup>
Hardness	83D

## Reference

For more detailed source information, please consult the original document linked [here](#). We encourage users to verify the data's relevance and suitability for their specific needs.

