

# Nylon 6 / PA 6

## Key Features

High density • Abrasion resistance • Chemical resistance • Melting point > 200°C

## Applications

End-use parts • Automotive • Electronics • Engineering • Consumer goods

## Product Description

Nylon 6 is a high-strength, durable resin known for its excellent tensile and impact strength, abrasion resistance, and high melting point. Ideal for injection molding, this material is widely used in the automotive industry for engine components and gears, electrical and electronics for connectors and housings, consumer goods like kitchen utensils and sports equipment, industrial applications such as bearings and machinery parts, and the textile industry for fibers and yarns.

## Properties\*

Stress at break	33 MPa
Elongation at break	10%
Flexural modulus	5,000 MPa
Impact strength	36 kJ/m <sup>2</sup>
Izod notched impact strength	3 kJ/m <sup>2</sup>
Melting temperature	220°C
Heat deflection temperature	72°C
Density	2.1 g/cm <sup>3</sup>
Hardness	95A
Water absorption (24h / 23°C)	0.41%

\*Based on material ADDINYL® B2 K20, as molded

## 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.

