



(Preliminary) **Aurora PP**

PolyProlylene (PP) is a thermoplastic polymer and one of the most used materials in the plastic industry. The material has exeptional plasticity, higher elongation, durability and low moisture absorption compared to polyamides. Printed parts are resistant to most most acids and bases. Health care and orthopedic products, automotive, electrical and sports goods are som of the applicational fields.

The natural color of the material is a semi-transparent white.



80 %
Recyclable material

PP
Thermoplastic Polymer

High
Flexural strength



Technical specifications

PROPERTY	VALUE	UNIT
DENSITY OF FINISHED PARTS	0,9	g/cm ³
DENSITY OF POWDER	0,3	g/cm ³
MELTING POINT	140	°C
TENSILE STRENGTH	27	Mpa
ELONGATION AT BREAK	40	%
TENSILE MODULUS	1400	MPa
FLEXURAL MODULUS	1500	MPa

Typical applications

- **Economic and functional prototypes**
- **Water reservoirs and branch pipes**
- **Multi-purpose industrial goods**
- **Strong jigs & fixtures**
- **Health care products**
- **Piping and air ducts**

Advantages

- **Good ductility**
- **Great rigidity**
- **Low operating cost**
- **Exceptional chemical resistance**
- **Excellent plasticity**
- **Low moisture absorption**

