



Polypropylene-based (PP)

Ultrasint® PP nat 01 is especially developed for the SLS process as an alternative to polyamide. It offers an excellent plasticity, high elongation, low moisture absorption and high durability. The fields of application vary widely from automotive, electrical and sports goods to health care and orthopedic products. The characteristics of PP are as follows

- High ductility
- Exceptionally high rigidity
- Excellent chemical resistance
- High elongation at break (approx. 30%)
- Recycling rate of approx. 60 %pppp
- Color: Natural/translucent

IDENTIFICATION	
Product Name	Polypropylene-based (PP)
Material Name	Ultrasint PP nat 01
Application	- Pipes and ducts for and other media - Water reservoirs and manifolds - Economic and functional prototypes - Multi-purpose industrial goods - Durable jigs & fixtures
For use with	■ MfgPro230 xS ■ MfgPro236 xS
SPECIFICATIONS	
Color	White
Density	0.89 g/cm ³
Packing Density	0.33 g/cm ³
MECHANICAL PROPERTIES	
Tensile Strength (Mpa)	28
Tensile Modulus (Mpa)	1400
Elongation	30%
Flexural Strength (Mpa)	N/A
Flexural Modulus (Mpa)	1250
Impact (KJ/m ²)	3.5
THERMAL PROPERTIES	
Melt Temperature	140
Operating Temperature	N/A
Refresh Parameters	
Refreshing	New 3 : Old 7
Scaling	
X:	-
Y:	-
Z:	-