



PA11(Black)

Ultrasint PA11, a bio-based material (castor oil), is an interesting alternative to PA12. It is good for applying to laser sintering process. The characteristics of Ultrasint PA11 (Black) are as follows:

- High elongation at break
- Elasticity and high impact resistance.
- High deformations (e.g. film hinges)
- High exposure to special surrounding (e.g. chemical, detergent, oil)
- High ductility
- Can be used for skin contact application

IDENTIFICATION	
Product Name	PA11 Black Polyamide Powder
Material Name	Ultrasint PA11 (Black)
Application	<ul style="list-style-type: none"> - Car interior parts - Bumper components - Film hinges - Functional prototypes and spare parts - Medium-loaded series parts
For use with	<input type="checkbox"/> MfgPro230 xS <input checked="" type="checkbox"/> MfgPro236 xS
SPECIFICATIONS	
Color	Black
Density	1.02 g/cm ³
Packing Density	520 g/cm ³
MECHANICAL PROPERTIES	
Tensile Strength (Mpa)	45
Tensile Modulus (Mpa)	1100
Elongation	45%
Flexural Strength (Mpa)	N/A
Flexural Modulus (Mpa)	1250
Impact (KJ/m ²)	7.7
THERMAL PROPERTIES	
Melt Temperature	203°C / 397 °F
Operating Temperature	N/A
Refresh Parameters	
Refreshing	New 1 : Old 2
Scaling	
X:	1.042
Y:	1.040
Z:	1.025