



PA11 (White)

Ultrasint PA11 (White), 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 (White) 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 White Polyamide Powder |
| Material Name | Ultrasint PA11 (White) |
| 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 | ■ MfgPro230 xS ■ MfgPro236 xS |
| SPECIFICATIONS | |
| Color | White |
| 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 |
| Operating Temperature | N/A |
| Refresh Parameters | |
| Refreshing | New 1 : Old 2 |
| Scaling | |
| X: | - |
| Y: | - |
| Z: | - |