



Aurora PA11 Food Grade

Aurora PA11 Food Grade is a Polyamide 11-based material designed for primary use in food industry applications. It is made from 100% bio-based substances. The material is well suited for technical end products: the material is a sustainable thermoplastic polymer that produces strong UV-stable prints. The highly visible blue colour makes the printed parts easy to detect in the event of foreign material accidentally falling into the food product.



100 %
Renewable source

PA 11
Polyamide thermoplastic

UV/Water
Resistant/low uptake





Technical specifications

PROPERTY	VALUE	UNIT
DENSITY OF FINISHED PARTS	1,05	g/cm ³
DENSITY OF POWDER	0,65	g/cm ³
MELTING POINT	200	°C
TENSILE STRENGTH	51	MPa
ELONGATION AT BREAK	51	%
TENSILE MODULUS	1700	MPa
FLEXURAL MODULUS	1200	MPa
HARDNESS	80	Shore D

Typical applications

- **Food industry**
- **Safety equipments**
- **Blue color parts**
- **PA11-based parts**

Advantages

- **Superior mechanical properties**
- **UV-stable**
- **Low water uptake**
- **Flexible**
- **High strength**
- **Salt water resistant**

