



PA 11 food grade (blue)

Key Features

Food safety • High ductility • Impact resistance • Biocompatibility

Applications

Prototyping • End-use parts • Medicine, dentistry • Consumer goods

Product Description

PA 11 food grade is a composite powder made from polyamide 11, tailored for powder bed systems like laser sintering (SLS), and it comes in a distinctive blue color. This material is designed for producing models and functional parts for the food industry, offering a long cycle of life and outstanding chemical resistance, ensuring durability and safety in food-related applications.

Properties

| | |
|--------------------------------------|------------------------|
| Tensile strength (X/Y, Z) | 53, 45 MPa |
| Elongation at break (X/Y, Z) | 20, 5% |
| Flexural modulus | > 1500 MPa |
| T [°] f Melting point (DSC) | 190 - 202°C |
| Density | 1.02 g/cm ³ |
| Hardness | 78D |

Reference

For more detailed source information, please consult the original document linked [here](#). We encourage users to verify the data's relevance and suitability for their specific needs.

