

PA 12 food grade (white)

Key Features

Strength • Chemical resistance • Biocompatibility

Applications

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

Product Description

PA 12 food grade, derived from polyamide 12, boasts a versatile property profile suitable for various applications. Its pigment-free composition renders components whitish, while maintaining comparable strength, rigidity, and chemical resistance to standard PA 12. Ideal for medical industry applications, parts made from this material can meet European regulations for food contact.

Properties

Tensile modulus	1,700 MPa
Tensile strength	48 MPa
Elongation at break	15%
Flexural strength	58 MPa
Flexural modulus	1,500 MPa
Melting temperature (ISO 11357-1/-3)	176°C
Vicat softening temperature (ISO 306/A50)	181°C
Density	0.93 g/cm ³
Hardness	75D

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.

