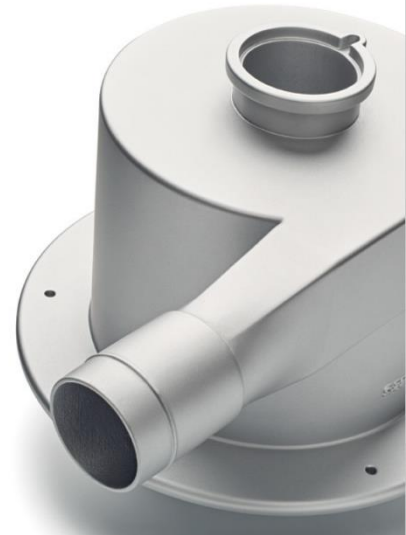




## DIRECT LASER SINTERING

# PA12

## MATERIAL SPECIFICATIONS



## PRODUCT DESCRIPTION

Robust thermoplastic produces high-density parts with balanced property profiles and strong structures. Provides excellent chemical resistance to oils, greases, aliphatic hydrocarbons, and alkalis. Ideal for complex assemblies, housings, enclosures, and watertight applications. Biocompatibility certifications meets USP Class I-VI and US FDA guidance for Intact Skin Surface Devices.

## APPLICATIONS

Designed for production of functional parts across a variety of industries. Provides the best balance between performance and reusability. Achieves watertight properties without any additional post processing. Engineered to produce final parts and functional prototypes with fine detail and dimensional accuracy.

## KEY BENEFITS

- strong structures
- Provides excellent chemical resistance to oils, greases, aliphatic hydrocarbons

## PROPERTIES

Tensile Strength (MPa)	Elongation at Break (%)	Flexural Strength (MPa)	HDT 0.45MPa (°C)	Density (g/cm <sup>3</sup> )
48	20	65	175	1.01