

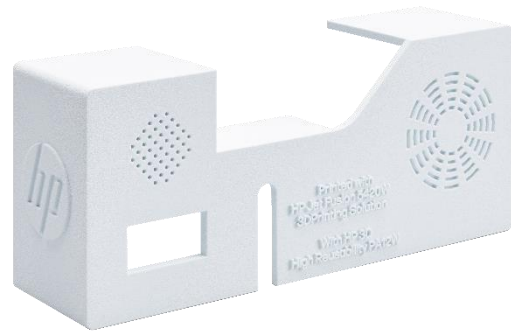
## DATASHEET

# Multi Jet Fusion – PA 12 W

HP High Reusability PA 12 W

PA 12 W differs from our standard PA 12 (HP High Reusability PA 12) in color; PA 12 W is white.

Polyamide 12 (PA12) is a high-quality and versatile plastic for additive serial manufacturing in the Multi Jet Fusion process. The material is mechanically durable, heat resistant up to approximately 100 °C, and chemically resistant to most solvents.



## MECHANISCHE KENNZAHLEN

-PRELIMINARY-

| EN                  | Standard | Unit              | Value |
|---------------------|----------|-------------------|-------|
| Density             | ISO 1183 | g/cm <sup>3</sup> | 1,01  |
| Tensile strength    | ISO 527  | MPa               | 44    |
| Elongation at break | ISO 527  | %                 | 21    |
| Elongation modulus  | ISO 527  | MPa               | 1.600 |
| Bending strength    | ISO 178  | MPa               | 70    |
| Bending modulus     | ISO 178  | MPa               | 1.800 |
| Resilience          | ISO 178  | kJ/m <sup>2</sup> | 45    |

**Note:** At the time this document was created, the material is in the introduction phase. The specified key figures are based on manufacturer information. As the introduction progresses, these will be validated by data measured by KingStar and the document will be replaced accordingly.