

Powder PA11
product specification

GENERAL INFORMATION	
Status	In progress
Category	Powder for SLS printing
Material type	Polyamide 11 powder
PACKAGING	
Type	Plastic container
Weight	2 [kg] (4,4 [lb])
Dimensions	135 x 135 x 280 [mm] (5.3 x 5.3 x 11 [in])
MATERIAL	
Granulation	15-76 [µm] (0,59 - 3 [mil]), average size 40 [µm] (1,6 [mil])
Colour	Grey
Material refreshing ratio ¹	50 [%]
PARAMETERS	
Elongation at Break XY [%]	17 [%]
Tensile Strength (Sturdy under stress)	54 [MPa] (7,83 [ksi])
Impact resistance	Min. 150 [KJ/m ²]
Melting point	201 [°C] / 393 [°F]
Shore Hardness (D scale)	76±1
DESTINATION	
Prototypes and end products	
Parts printed for environments with high mechanical stress (e.g. hinges)	
Complex spatial shapes	
Teaching aids	
Temperature resistant objects	

Parameters presented in this specification are subject to change. The material is still in the preparation phase.
Information provided within this document are typical values for reference only.

Chemical resistant objects
Clothing elements, decorations, jewellery

¹ Material refreshing ratio - percent of Fresh powder which has to be mixed with Used (unsintered) powder
- to be reused to the next print.