

PA11 ESD

7th material in Sinterit offer



Bio-sourced nylon material with heat resistance and ESD functionality.
Dedicated for electrostatic safe parts for electronic and automotive industries.

Functions:

- ESD safe material
- Better thermal properties
- Dimension stability
- Good mechanical performance
- Bio-sourced from castor oil

Compatible with: Lisa Pro

Software: Sinterit Studio Advanced

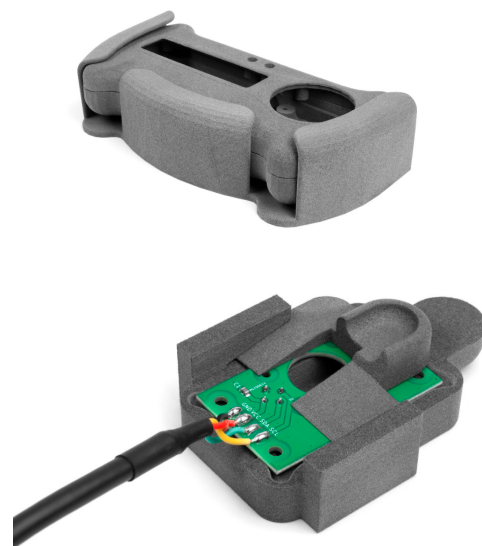
Nitrogen needed: yes

Applications:

- Electronic casing
- Test fixtures for electronics
- Fixtures for assembly of electronics
- Atex connectors and parts
- Fixtures for electrostatic dissipation
- Automotive parts
- High-accuracy parts



PARAMETER	VALUE
Material refreshing ratio ¹	60 %
Tensile Strength	46 / 50 MPa ²
Tensile Modulus (Young)	1850 / 2080 MPa ²
Flexural Strength	56 MPa
Flexural Modulus	1240 MPa
Elongation at Break	27 %
Impact resistance	59 KJ/m2 C
HDT A/B	103 °C / 171°C
Specific volume resistance	1.0×10 ⁵ Ω
Specific surface resistance	5.3×10 ⁴ Ω



¹ Refresh ratio is the amount of refreshing powder that is required to be mixed after the printing with unsintered material.

² Tested on virgin powder.

Information provided within this document are average values for reference and comparison only. Parameters presented in this specification are subject to change.

Final part properties may vary based on printed part design and print orientation.