

EOS PA 1101 ClimateNeutral

Selective Laser Sintering | PA11 | powder

Compiled by FabDigit from manufacturer technical data. Values below belong to this named product; unreported properties are omitted.

Manufacturer: EOS

Source revision: Not stated in the catalog; check the original document.

Recorded system family: EOS FORMIGA P 110 / P 396 / P 500 / P 770

As-printed colour: Natural

Test values are typical reported results, not guaranteed design allowables or finished-part certification. Review the complete source for specimen preparation, orientation and conditioning.

Mechanical

PROPERTY	VALUE	TEST / CONDITION
Elastic (Young's) Modulus	1.6 GPa	per EOS Store typical part properties
Tensile Strength (Ultimate)	48 MPa	per EOS Store typical part properties
Elongation at Break	45 %	per EOS Store typical part properties

Physical

PROPERTY	VALUE	TEST / CONDITION
Melting Temperature (Tm)	201 deg C	per EOS Store typical part properties
Density	0.99 g/cm3	per EOS Store typical part properties

Thermal

PROPERTY	VALUE	TEST / CONDITION
Heat Deflection Temp. @ 1.8 MPa	46 deg C	per EOS Store typical part properties
Heat Deflection Temp. @ 0.45 MPa	180 deg C	per EOS Store typical part properties

Selection and finishing

An EOS PA11 responsible-product option for ductile SLS parts when the current supplier footprint documentation is part of the purchasing decision.

Design: Treat it as a PA11 choice first: validate the flex or impact feature, orientation and conditioning. Keep the current EOS evidence with the purchase record if environmental reporting is a requirement.

Finishing: Natural/white is the product's as-printed appearance. Dyeing is a separate finish, and its process plus transport should be included in any broader footprint assessment.

Source and document scope

EOS manufacturer source reference

<https://store.eos.info/products/pa-1101-climateneutral>

FabDigit product page: <https://www.fabdigit.com/materials/polymer-pa11/eos-pa-1101-climateneutral/>

FabDigit is the publisher of this reference summary. The named manufacturer remains the source of the material data. This document is not a manufacturer-issued TDS, a certificate of conformity or a test report for an ordered part. Confirm the exact product, system, orientation, conditioning and final finish with the quote.