

EOS PA 2220 HighReuse

Selective Laser Sintering | PA12 | 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: White

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	1.8 GPa	per ISO 527-1/-2
Tensile Strength (Ultimate)	48 MPa	per ISO 527-1/-2
Elongation at Break	10 %	per ISO 527-1/-2
Charpy Impact, Notched (ISO 179)	2.6 kJ/m2	per ISO 179/1eA

Thermal

PROPERTY	VALUE	TEST / CONDITION
Heat Deflection Temp. @ 1.8 MPa	64 deg C	per ISO 75-1/-2

Physical

PROPERTY	VALUE	TEST / CONDITION
Density	0.99 g/cm3	per DIN EN ISO 1183

Selection and finishing

A white, multipurpose EOS PA12 built around a high-reuse powder workflow for production equipment, spares and functional prototypes.

Design: Keep orientation and conditioning in the validation build, especially for hinges and loaded brackets. Confirm the actual reclaim protocol rather than converting a product reuse rate into a finished-part guarantee.

Finishing: White is the as-printed colour and EOS describes the material as easy to colour. Dyeing remains a separate operation; confirm colour, cleaning and dimensional acceptance after finishing.

Source and document scope

EOS manufacturer source reference

<https://www.eos.info/polymer-solutions/polymer-materials/data-sheets/mds-pa-2220-high-reuse>

FabDigit product page: <https://www.fabdigit.com/materials/polymer-pa12/eos-pa-2220-highreuse/>

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.