

Farsoon FS3300PA

Selective Laser Sintering | PA12 | powder

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

Manufacturer: Farsoon

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

Recorded system family: Farsoon 402P / HT403P

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.

Physical

PROPERTY	VALUE	TEST / CONDITION
Density	0.95 g/cm3	per Manufacturer TDS
Melting Temperature (Tm)	183 deg C	per ISO 11357-1:2020

Manufacturability

PROPERTY	VALUE	TEST / CONDITION
Powder Bulk Density	0.48 g/cm3	per Manufacturer TDS

Thermal

PROPERTY	VALUE	TEST / CONDITION
Heat Deflection Temp. @ 1.8 MPa	83.5 deg C	per ISO 75-1:2020
Heat Deflection Temp. @ 0.45 MPa	146.2 deg C	per ISO 75-1:2020

Mechanical

PROPERTY	VALUE	TEST / CONDITION
Tensile Strength (Ultimate)	46 MPa	per ISO 527-1:2019
Elastic (Young's) Modulus	1.602 GPa	per ISO 527-1:2019
Elongation at Break	36 %	per ISO 527-1:2018
Flexural Strength	46.3 MPa	per ISO 178:2019
Flexural Modulus	1.3 GPa	per ISO 178:2019

Selection and finishing

A white PA12 SLS powder for general functional parts on the named Farsoon polymer platforms.

Design: Use the named Farsoon system and published test methods as the data basis. Prototype thin walls and loaded features, especially where orientation or conditioning is not stated.

Finishing: White is the as-printed base and can support dyeing. Select blasting, dyeing or coating based on the desired texture and validate any liquid-tightness requirement separately.

Source and document scope

Farsoon manufacturer source reference

<https://www.farsoon-gl.com/wp-content/uploads/2021/07/FS3300PA.pdf>

FabDigit product page: <https://www.fabdigit.com/materials/polymer-pa12/farsoon-fs3300pa/>

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.