

Farsoon FS3300PA-F

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: V02 2021-02-03

Recorded system family: Farsoon 402P / HT403P

As-printed colour: Black. Optimized for fiber-laser absorption

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

Manufacturability

PROPERTY	VALUE	TEST / CONDITION
Powder Bulk Density	0.45 g/cm3	per DIN EN ISO 60; Published range

Physical

PROPERTY	VALUE	TEST / CONDITION
Density	1 g/cm3	per GB/T 1033
Melting Temperature (Tm)	179 deg C	per ISO 11357; Published range

Thermal

PROPERTY	VALUE	TEST / CONDITION
Heat Deflection Temp. @ 1.8 MPa	72 deg C	per GB/T 1040.2-2006; Published range
Heat Deflection Temp. @ 0.45 MPa	138 deg C	per GB/T 1040.2-2006; Published range

Mechanical

PROPERTY	VALUE	TEST / CONDITION
Tensile Strength (Ultimate)	36 MPa	per GB/T 1040.2-2006; Published range
Elastic (Young's) Modulus	1.6 GPa	per GB/T 1040.2-2006; Published range
Elongation at Break	5 %	per GB/T 1040.2-2006; Published range
Flexural Strength	36 MPa	per GB/T 1040.2-2006; Published range
Flexural Modulus	0.95 GPa	per GB/T 1040.2-2006; Published range

Source and document scope

Farsoon manufacturer source reference - V02 2021-02-03

https://www.materflow.com/wp-content/uploads/2022/02/farsoon_fs3300pa-f_tds_technical-data-sheet_v02_issued_20210203.pdf

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

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