



LARAMID G/35

[Materials / LARAMID G/35](#)

Family: LARAMID Base resin: Semi-aromatic polyamide (PPA) Compare

[Technical request](#)[Sampling request](#)[Quotation request](#)

General information

Compound based on Semi-aromatic polyamide (PPA). Glass fibres. Very good thermal properties. Good chemical resistance. Low moisture absorption. PFAS-free product.

The products mentioned herein are not suitable for applications in contact with foodstuffs or for potable water transportation, or for toy manufacturing.

The products mentioned herein are not suitable for applications in the pharmaceutical, medical or dental sector.

Features

- Strong chemical resistance
- High operational temperature

Additives

- Glass fibres

Download documents

Technical datasheets

[IT](#) | [UK](#) | [US](#) | [DE](#) | [FR](#) | [ES](#) | [PT](#)

Certificates

[Restricted substances list - English](#)[Restricted substances list - Italian](#)

Technical characteristics

PHYSICAL PROPERTIES	STANDARD	VALUE	MEASURE UNITS
Density	ISO 1183	1.48	g/cm ³

Linear shrinkage at moulding

Longitudinal (2.0mm/60MPa)	ISO 294-4	0.25 ÷ 0.45	%
Transversal (2.0mm/60MPa)	ISO 294-4	0.70 ÷ 0.90	%
Dimensional stability	---	59	

Moisture absorption

Saturation, in air	ISO 62-4	0.9	%
--------------------	----------	-----	---

MECHANICAL PROPERTIES**STANDARD****VALUE****MEASURE UNITS****CHARPY impact strength**

Unnotched, at +23°C	ISO 179-1eU	45	kJ/m ²
Notched, at +23°C	ISO 179-1eA	9	kJ/m ²

Tensile elongation

At break (5 mm/min), 23°C	ISO 527	2.2	%
At break (5 mm/min), 60°C	ISO 527	2.5	%
At break (5 mm/min), 90°C	ISO 527	2.9	%
At break (5 mm/min), 120°C	ISO 527	6	%
At break (5 mm/min), 150°C	ISO 527	9	%

Tensile strength

At break (5 mm/min), 23°C	ISO 527	220	MPa
At break (5 mm/min), 60°C	ISO 527	210	MPa
At break (5 mm/min), 90°C	ISO 527	185	MPa
At break (5 mm/min), 120°C	ISO 527	130	MPa
At break (5 mm/min), 150°C	ISO 527	85	MPa

Elastic modulus

Tensile (1 mm/min), 23°C	ISO 527	13500	MPa
Tensile (1 mm/min), 60°C	ISO 527	12000	MPa
Tensile (1 mm/min), 90°C	ISO 527	10500	MPa
Tensile (1 mm/min), 120°C	ISO 527	8400	MPa
Tensile (1 mm/min), 150°C	ISO 527	4500	MPa

THERMAL PROPERTIES**STANDARD****VALUE****MEASURE UNITS**

Coefficient of linear thermal expansion (CLTE)

+30°C to +100°C (longitudinal)	ISO 11359	20	$\times 10^{-6} K^{-1}$
+30°C a +100°C (transversal)	ISO 11359	40	$\times 10^{-6} K^{-1}$

VICAT - Softening point

50N (heating rate 120°C/h)	ISO 306	270	°C
----------------------------	---------	-----	----

HDT - Heat Deflection Temperature

0.45 MPa	ISO 75	295	°C
1.81 MPa	ISO 75	285	°C

ELECTRICAL PROPERTIES

STANDARD

VALUE

MEASURE UNITS

Electrical resistivity

Surface, dry	IEC 62631	1E12	ohm
--------------	-----------	------	-----

Dielectric strength (short period)

2 mm thickness, 23°C, dry	ASTM D 149	24	kV/mm
---------------------------	------------	----	-------

MELT TEMPERATURE

STANDARD

VALUE

MEASURE UNITS

[Materials](#)



[Certifications](#)

[Contacts](#)

[lati.com](#)

[in](#)

LARAMID G/35

Compare

[General information](#) | [Download documents](#) | [Technical characteristics](#) | [Storage](#) | [Drying conditions](#) | [Injection speed](#) | [Hot runners](#)

Technical request

Sampling request

Quotation request

PAY ATTENTION! Material is prone to absorb moisture.

Drying conditions (hot air dessicator)

Predrying needed. At least 4 hours at 120 ÷ 130°C

Injection speed

Injection speed: medium. Setting an injection profile should improve moulding.

Hot runners

Usage of hot runner: possible

Company

LATI Industria
Termoplastici S.p.A.
Registered office: via
F. Baracca, 7- I
21040 VEDANO
OLONA (VA) ITALY

Contacts

E-mail:
marketing@it.lati.com
PEC: lati@pec.net
Phone: +39-0332
409111
Fax: +39-0332
409235/307

Info

C.F., P. IVA e Reg.
Impr. di VA n.
00214880122
Codice Destinatario
SDI: K1L103O
R.E.A. di Varese n.
41557

Legal

**[Privacy & cookie
policy](#)**
[Conditions of use](#)