

TECHNICAL DATA SHEET

LARIPUR 29501

GENERAL DESCRIPTION

LARIPUR 29501 is a polyester-based TPU. The standard version is designed for injection moulding e.g. of sport soles, cattle tags and technical items with excellent mechanical properties, wear resistance, high resilience performance.

TYPICAL CHEMICAL- PHYSICAL PROPERTIES

Parameter	Typical Value	Unit	Method
Density	1.23	gr/cm ³	ISO 2781
Shore Hardness	95	A	ISO 7619-1
Abrasion Loss	35	mm ³	ISO 4649
Tensile Modulus:	50% 100% 300%	8.9 10.8 28.0	N/mm ² ISO 22654
Tensile Strength	60.0	N/mm ²	ISO 22654
Elongation at Break	500	%	ISO 22654
Tear Strength	110	N/mm	ISO 34-1
Flexural Modulus	85	N/mm ²	ISO 178
Vicat Softening Point	120	°C	ISO 306
Compression set:	70h/23°C 22h/70°C	%	ISO 815-1

The above reported data do not constitute sales specifications for the material in object.

The properties reported in this Technical Data Sheet are determined on annealed, injection moulded specimens and represent the average of values obtained from a significant number of production lots.

The international standards above indicated are intended as a reference for the execution of the relative tests, whereas the choice of available options and any possible variation are detailed in our respective internal standards.

The information reported in this Technical Data Sheet are based on our current best knowledge, however, even if we guarantee the quality consistency of our LARIPUR products, we reserve the option to periodically issue updated versions of this Technical Data Sheet and respective sale specifications as well.



STORAGE AND STABILITY

LARIPUR 29501 is supplied in regular pelletized form and packaged in 25 kg bags or 500 kg and 1000 kg octabins.

LARIPUR 29501 must be stored in its original and sealed containers and kept in a dry and well-ventilated place, avoiding the direct sun radiation.

The shelf life of LARIPUR 29501 is of six months from shipment date, if stored in its original sealed packaging and in proper conditions.

SAFETY

The product is not considered dangerous, nevertheless we recommend to read the Material Safety Data Sheet before handling.

PROCESSING RECOMMENDATIONS

Before processing, material needs to be dried at 90-100°C for 3 hours, preferably using a dehumidifying drier fed by air with a dew point lower than -30°C.

Suggested moulding temperature profile:

Zone	Temperature
Zone 1	190°C
Zone 2	195°C
Zone 3	200°C
Nozzle	200°C

Being affected by the type of machine used, processing conditions and downstream equipment, the suggested temperature profiles has to be considered as just indicative.

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