

TECHNICAL DATA SHEET

LARIPUR 6018 B

GENERAL DESCRIPTION

LARIPUR 6018 B is a transparent, soft, plasticized (phthalate-free) polyester-based TPU allowing for fast injection moulding cycles. Able to combine the advantages of rubbery materials with the typical features of TPUs, it exhibits very good abrasion and slip resistance as well as an excellent adhesion to most of two component PU systems, making it particularly suitable for the manufacturing of high flexibility soles.

TYPICAL CHEMICAL- PHYSICAL PROPERTIES

Parameter		Typical Value	Unit	Method
Density		1.19	gr/cm ³	ISO 2781
Shore Hardness		66	A	ISO 7619-1
Abrasion Loss		50	mm ³	ISO 4649
Tensile Modulus:	50%	1.7	N/mm ²	ISO 22654
	100%	2.6		
	300%	4.8		
Tensile Strength		28.2	N/mm ²	ISO 22654
Elongation at Break		950	%	ISO 22654
Tear Strength		35	N/mm	ISO 34-1
Compression set:	70h/23°C	20	%	ISO 815-1
	22h/70°C	41		

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 informations 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.

The extrusion grade LARIPUR are identified by a specific end code (EG, EA, AE, DP, EM, EF, EP, U, EUV or HFM). This code has to be indicated when ordering those grades.

**STORAGE AND
STABILITY**

LARIPUR 6018 B is supplied in regular pelletized form and packaged in 25 kg bags or 500 kg and 1000 kg octabins.

LARIPUR 6018 B 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 6018 B is of six months from the 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 80-90°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	160°C
Zone 2	165°C
Zone 3	170°C
Nozzle	165°C

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

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