TECHNICAL DATA SHEET

LARIPUR 6560

GENERAL DESCRIPTION

LARIPUR 6560 is a PTMG polyether based TPU exhibiting a very good resistance to hydrolysis and microbes attack. It is indicated e.g. for the production of skiboots and technical items.

TYPICAL CHEMICAL-PHYSICAL PROPERTIES

The following information is not intended to be used as sales specifications.

Parameter		Typical Value	Unit	Method
Specific Gravity		1.18	gr/cm^3	DIN 53479
Shore Hardness		65	D	DIN 53505
Abrasion Loss		35	mm^3	DIN 53516
Tensile Modulus	50%	23.9	N/mm^2	DIN 53504
	100%	27.7		
	300%	54.6		
Tensile Strength		66.3	N/mm^2	DIN 53504
Elongation at Break		350	%	DIN 53504
Tear Strength		180	N/mm	DIN 53515
Flexural Modulus		400	N/mm^2	ISO 178
VICAT Softening Point		138	°C	ISO 306
Torsion Test	+20°C	87	N/mm^2	DIN 53447
	-20°C	330	N/mm^2	DIN 53447
	Ratio +20°C/-20°C	3.8		
Impact test	-20°C	8.1	kJ/m^2	ASTM D256

This technical note has been written based on our present best knowledge, but the above mentioned data have not to be released as a specification for the material in object.

The properties reported in this Technical Data Sheet are determined on conditioned specimens obtained from injected test plates and represent an average of values gathered from a significant number of production lots.

Even if we guarantee the quality consistency of the LARIPUR products, we could periodically issue updated versions of this Technical Data Sheet and consequently modify the respective sales specifications.

The international standards here indicated have to be intended as a reference to carry out the various tests, but the choice of available options and any possible variation are mentioned in our respective internal standards.

The grades suitable for extrusion are identified with the EG or AE end code and therefore they have to be ordered with such code when used in this application.

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STORAGE AND STABILITY

LARIPUR 6560 is supplied in regular pellet form and it is packaged in 25 kg bags or 500 kg and 1000 kg octabins

LARIPUR 6560 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 6560 will be 6 months from the date of delivery to the final customer, when stored in its original sealed packaging and in proper conditions

SAFETY

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

PROCESSING RECOMMENDATIONS

Material needs to be dried prior processing at 80-90°C for 3 hours, preferably using a dehumidifying drier fed by air exhibiting a dew point lower than -30°C.

Suggested moulding temperature profile:

Zone	Temperature
Zone 1	200°C
Zone 2	210°C
Zone 3	215°C
Nozzle	210°C

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

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