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LARIPUR®

LPR 5925

Advanced Thinking

Thermoplastic Polyurethane

TECHNICAL DATA SHEET

Description: LARIPUR 5925 is a polyester based TPU used e.g. for the inj. Moulding of technical

items, footwear features.

Physical Properties		Typical Value	Unit	Test Method
Specific Gravity		1.23	gr/cm²	DIN 53479
Shore Hardness		59	D	DIN 53505
Abrasion Loss		40	mm³	DIN 53516
Tensile Modulus:	50% 100% 300%	17.3 20.7 46.7	N/mm² N/mm² N/mm²	DIN 53504 DIN 53504 DIN 53504
Tensile Strength		66.8	N/mm²	DIN 53504
Elongation at Break		410	%	DIN 53504
Tear Strength		170	N/mm	DIN 53515
Flexural Modulus		220	N/mm²	ISO 178
VICAT Softening Point		146	°C	ISO 306
Torsion Test Ratio	+ 20°C - 20°C 20°C/+20°0	58 370 C 6.4	N/mm² N/mm²	DIN53447 DIN53447
Impact Test	-20°C	5.0	KJ/m ²	ASTM D256

[•] The grade also suitable for extrusion are indicated by the EG or AE end code and consequently they have to be ordered with such code when used in this application.

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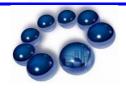
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[•] This technical note has been written on baseing our present best knowledge but the above mentioned data have not to be released as a specification for the material in object.

[•] Properties reported in this Data Sheet are determined on annealed specimens obtained by injected test plaques and mostly represent an average of values gathered from a significative number of production lots.

[•] Even if we guarantee the quality consistency of the LARIPUR products we could periodically issue up-dated version of this Technical Data Sheet and modify the respective sales specification as well.





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PROCESS RECOMMENDATION

Predrying Condition:

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

Processing

Recommended Molding Temperature Profile

	°C
Zone 1	195
Zone 2	200
Zone 3	210
Nozzle	200

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

Approvals EC and **FDA** food contact approved.

Health and security The product is not considered to be dangerous, nevertheless Safety Material

Data Sheet is available upon request

Supply and package LPR 5925 is supplied in regular pellet form and it is packaged in 25 kg bags

or 500 kg and 1000 kg octabins.

The information presented herein are given in good faith but without warranty. They are based on our experience, indicate our laboratory work results and do not necessarily indicate final product performance. We cannot be held liable for the results obtained with our products and for any loss or accident that may result from its use. Our suggestions do not release you from the obligation to check its validity and to test our products for both their process and end use application. COIM assumes no obligation or liability for the description, data and information given or result obtained as production testing and end product performance are the responsibility of the user. All our products are sold in accordance with our General Conditions of Sale. We don't make any warranties, express or implied, including, but not limited to the merchantability and fitness for a particular purpose.

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