



Advanced Thinking

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**LARIPUR®**

**LPR 6260**

Thermoplastic Polyurethane

**TECHNICAL DATA SHEET**

**Description:** LARIPUR 6260 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 skiboats and technical items.

Physical Properties	Typical Value	Unit	Test Method
Specific Gravity	1,17	gr/cm <sup>3</sup>	DIN 53479
Shore Hardness	60	D	DIN 53505
Abrasion Loss	35	mm <sup>3</sup>	DIN 53516
Tensile Modulus:			
50%	18,2	N/mm <sup>2</sup>	DIN 53504
100%	23	N/mm <sup>2</sup>	DIN 53504
300%	49,7	N/mm <sup>2</sup>	DIN 53504
Tensile Strength	65,8	N/mm <sup>2</sup>	DIN 53504
Elongation at Break	390	%	DIN 53504
Tear Strength	170	N/mm	DIN 53515
VICAT Softening Point	133	°C	ISO 306
Flexural Modulus	250	N/mm <sup>2</sup>	ISO 178
Torsion Test			
+ 20°C	56	N/mm <sup>2</sup>	DIN53447
- 20°C	252	N/mm <sup>2</sup>	DIN53447
Ratio -20°C/+20°C	4,5		
Impact Test			
- 20°C	9,2	KJ/m <sup>2</sup>	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.
- 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.

Ever-Flaming Advanced  
 Material Co., Ltd.  
 Baotong Building, Baoan  
 District, Shenzhen,  
 Guangdong Province,  
 China  
 Phone: +86 755 29565648  
 Fax: +86 755 29565685-806  
[www.coimtpu.com](http://www.coimtpu.com)

九焱新材料(深圳)有限公司  
 地址: 深圳市宝安区宝民一路宝通大厦  
 电话: 0755-29565648  
 传真: 0755-29565685 转 806  
 网址: [www.coimtpu.com](http://www.coimtpu.com)



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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.*

**Appearance** Trasparent. ( Evaluated on 6 mm thick test plaques )

**Approvals** **EC** and **FDA** food contact approved;  
**NSF 61** for drinkable water approved;

**Health and security** The product is not considered to be dangerous, nevertheless Safety Material Data Sheets is available upon request

**Supply and package** **LPR 6260** is supplied in regular pellet form and it is packaged in 25 kg bags

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.