



LARIPUR®

LPR 6020

Thermoplastic Polyurethane

TECHNICAL DATA SHEET

Description: LARIPUR 6020 is a polyester based TPU used e.g. for the injection moulding of technical items.

Physical Properties	Typical Value	Unit	Test Method
Specific Gravity	1.24	gr/cm ³	DIN 53479
Shore Hardness	60	D	DIN 53505
Abrasion Loss	40	mm ³	DIN 53516
Tensile Modulus:			
50%	17.1	N/mm ²	DIN 53504
100%	19.9	N/mm ²	DIN 53504
300%	38.2	N/mm ²	DIN 53504
Tensile Strength	60.5	N/mm ²	DIN 53504
Elongation at Break	450	%	DIN 53504
Tear Strength	178	N/mm	DIN 53515
Flexural Modulus	300	N/mm ²	ISO 178

- 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 basing 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

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



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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	205
Zone 3	210
Nozzle	205

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 6020 is supplied in regular pellet form and it is packaged in 25 kg bags or 500 kg and 1000 kg octabins.

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