



# coim

# LARIPUR®

## LPR 6515

Advanced Thinking

Thermoplastic Polyurethane

### TECHNICAL DATA SHEET

**Description:** LARIPUR 6515 is a opaque TPU, exhibiting fast processing cycles. Recommended for the production of high flexibility soles, slip properties and very good abrasion resistance exhibits an excellent adhesion to most of two component PU systems. This product combines the advantages of rubbery material to those typical ones of TPU.

Physical Properties	Typical Value	Unit	Test Method
Specific Gravity	1.18	gr/cm <sup>3</sup>	DIN 53479
Shore Hardness	65	A	DIN 53505
Abrasion Loss	35	mm <sup>3</sup>	DIN 53516
Tensile Modulus:			
50%	1.8	N/mm <sup>2</sup>	DIN 53504
100%	2.7	N/mm <sup>2</sup>	DIN 53504
300%	7.2	N/mm <sup>2</sup>	DIN 53504
Tensile Strength	35.6	N/mm <sup>2</sup>	DIN 53504
Elongation at Break	610	%	DIN 53504
Tear Strength	42	N/mm	DIN 53515
VICAT Softening Point	67	°C	ISO 306
Compression Set:			
70h/23°C	22	%	DIN53517
22h/70°C	41	%	DIN53517

- 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.

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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	170
Zone 2	180
Zone 3	180
Nozzle	175

*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** Opaque . ( Evaluated on 2 mm thick test plaques )

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

**Supply and package** **LPR 6515** 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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