



LARIPUR®
LPR 8860
LPR 8860EG/EUV
Thermoplastic Polyurethane

TECHNICAL DATA SHEET

Description: LARIPUR 8860/EG/EUV is a PTMG polyether based TPU exhibiting very good resistance to hydrolysis and microbial attack. The standard grade is designed for injection molding of technical goods, whereas the EG grade is for the extrusion in applications such as hose, cable, profiles and film. A UV stabilized version is also available under the designation EUV

Physical Properties	Typical Value	Unit	Test Method	
Specific Gravity	1.12	gr/cm ³	ASTM D792	
Shore Hardness	86	A	ASTM D2240	
Abrasion Loss	35	mm ³	DIN 53516	
Tensile Modulus:	50%	755	psi	ASTM D412
	100%	1075	psi	ASTM D412
	300%	1800	psi	ASTM D412
Tensile Strength	6380	psi	ASTM D412	
Elongation at Break	500	%	ASTM D412	
Tear Strength	88	N/mm	ASTM D624	

- 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 .

COIM S.p.A.
Via Manzoni, 28/32
I - 20019 Settimo M.se (MI)
Phone: +39 02 335051
Fax: +39 02 33505249-250
www.coimgroup.com

COIM LARIPUR Production Site
Via Ricengo 21/23
I - 26010 Offanengo (CR)
Phone: +39-0373-2481
Fax: +39-0373-244343
www.coimgroup.com



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PROCESS RECOMMENDATION

Predrying Condition: Material needs to be dried prior processing at 175°-195°F for 3 hours, preferably using a dehumidifying drier feeded by air exhibiting a dew point lower than -22°F

Processing

Recommended Molding Temperature Profile

	°F
Zone 1	365
Zone 2	375
Zone 3	385
Nozzle	375

Recommended Extrusion Temperature Profile

	°F
Zone 1	355
Zone 2	365
Zone 3	385
Zone 4	375
Adapter	365
Die	355

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;

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

Supply and package **LPR 8860/8860EG/EUV** 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.