

# LARIPUR® LPR5520

Thermoplastic Polyurethane Elastomer (Polyester)

COIM S.p.A.

# PROSPECTOR®

www.ulprospector.com

## Technical Data

### Product Description

#### SERIES 20 STANDARD ESTER

Products based on standard grade saturated polyester. These show strong resilience and tear resistance, excellent abrasion resistance and good stability in water solvents, light and oxidation.

### General

Material Status	• Commercial: Active
Literature <sup>1</sup>	• <a href="#">Technical Datasheet (English)</a>
Search for UL Yellow Card	• <a href="#">COIM S.p.A.</a> • <a href="#">LARIPUR®</a>
Availability	• Africa & Middle East • Asia Pacific • Europe • Latin America • North America
Features	• Abrasion Resistant • Good Compression Set • Good Flexibility • Good Tear Strength • Oil Resistant • Oxidation Resistant • Resilient • Solvent Resistant
Processing Method	• Injection Molding

Physical	Nominal Value Unit	Test Method
Density / Specific Gravity	1.24 g/cm <sup>3</sup>	DIN 53479

Mechanical	Nominal Value Unit	Test Method
Flexural Modulus	180 MPa	ISO 178
Abrasion Loss	40.0 mm <sup>3</sup>	DIN 53516
Tear Resistance	155 MPa	DIN 53515
Torsion Modulus		
-20°C	354 MPa	DIN 53447
20°C	46.0 MPa	DIN 53447
Ratio (-20°C/+20°C)	7.70	

Elastomers	Nominal Value Unit	Test Method
Tensile Stress		DIN 53504
50% Strain	16.7 MPa	
100% Strain	19.1 MPa	
300% Strain	35.5 MPa	
Tensile Strength (Break)	59.5 MPa	DIN 53504
Tensile Elongation (Break)	480 %	DIN 53504

Hardness	Nominal Value Unit	Test Method
Durometer Hardness (Shore D)	57	DIN 53505

## Notes

<sup>1</sup> These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

<sup>2</sup> Typical properties: these are not to be construed as specifications.



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### Where to Buy

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#### Supplier

**COIM S.p.A.**

Milan, Milan Italy

Telephone: +39-233-5051

Web: <http://www.coimgroup.com/>

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#### Distributor

**SNETOR Distribution**

*SNETOR Distribution is a Pan European distribution company. Contact SNETOR for availability of individual products by country.*

Telephone: +33-1-4904-8888

Web: <http://www.snetor.com/>

Availability: France

