

# LARIPUR® LPR 4525

Thermoplastic Polyurethane Elastomer (Polyester)

COIM S.p.A.

Message:

LARIPUR® LPR 4525 is a thermoplastic polyurethane elastomer (polyester)(TPU-polyester) material. This product is available in North America, Latin America or Europe. The processing method is extrusion or injection molding.

LARIPUR®The main features of LPR 4525 are:

- Good toughness
- Good tear strength
- good weather resistance
- chemical resistance
- Wear-resistant

General Information			
Features	Low Temperature Flexibility		
	Good tear strength		
	Good wear resistance		
	Good chemical resistance		
	Good weather resistance		
	Good toughness		
Forms	Particle		
Processing Method	Extrusion		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.22	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	46		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	100	MPa	ASTM D790
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
50% strain	9.80	MPa	ASTM D412
100% strain	11.2	MPa	ASTM D412
300% strain	26.0	MPa	ASTM D412
Tensile Strength (Break)	61.3	MPa	ASTM D412
Tensile Elongation (Break)	510	%	ASTM D412
Tear Strength	126	kN/m	ASTM D624
Compression Set			ASTM D395
23°C, 70 hr	28	%	ASTM D395
70°C, 22 hr	48	%	ASTM D395

Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	120	°C	ASTM D1525
Additional Information			
Abrasion loss, DIN 53516: 35 mm <sup>3</sup>			

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#### Recommended distributors for this material

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