

LARIPUR® LPR 5020

Thermoplastic Polyurethane Elastomer (Polyester)

COIM S.p.A.

Message:

LARIPUR® LPR 5020 is a thermoplastic polyurethane elastomer (polyester)(TPU-polyester) material. This product is available in North America, Latin America or Europe. The processing method is injection molding.

LARIPUR®The main features of LPR 5020 are:

Wear-resistant

Good tear strength

Good toughness

chemical resistance

General Information			
Features	Good tear strength		
	Good wear resistance		
	Good chemical resistance		
	Good wear resistance		
	Good toughness		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.23	g/cm³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	50		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	75.0	MPa	ASTM D790
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
50% strain	8.20	MPa	ASTM D412
100% strain	10.6	MPa	ASTM D412
300% strain	26.8	MPa	ASTM D412
Tensile Strength (Break)	58.1	MPa	ASTM D412
Tensile Elongation (Break)	470	%	ASTM D412
Tear Strength	132	kN/m	ASTM D624
Compression Set			ASTM D395
23°C, 70 hr	24	%	ASTM D395
70°C, 22 hr	50	%	ASTM D395
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	105	°C	ASTM D1525
Additional Information			
Abrasion loss, DIN 53516: 35 mm³Tosion Test, ASTM D 1043, 20° C: 20 MPaTosion Test, ASTM D 1043, -20° C: 190 MPa			

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Recommended distributors for this material

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