

# LARIPUR® LPR 5850

Thermoplastic Polyurethane Elastomer (Polyester)

COIM S.p.A.

Message:

LARIPUR® LPR 5850 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 5850 are:

- high hardness
- Good tear strength
- Good toughness
- Impact resistance
- good weather resistance

General Information			
Features	Good tear strength		
	Good wear resistance		
	Low temperature impact resistance		
	Good chemical resistance		
	Good weather resistance		
	Good toughness		
	High hardness		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	58		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	270	MPa	ASTM D790
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
50% strain	15.6	MPa	ASTM D412
100% strain	18.0	MPa	ASTM D412
300% strain	43.0	MPa	ASTM D412
Tensile Strength (Break)	63.5	MPa	ASTM D412
Tensile Elongation (Break)	430	%	ASTM D412
Tear Strength	165	kN/m	ASTM D624
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	120	°C	ASTM D1525
Additional Information			

Abrasion loss, DIN 53516: 40 mm³Tosion Test, ASTM D 1043, 20° C: 67 MPaTosion Test, ASTM D 1043, -20° C: 306 MPaImpact Test, ASTM D 256, -20° C: 12.6 KJ/m²

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