

LARIPUR® LPR 5760

Thermoplastic Polyurethane Elastomer (Polyether)

COIM S.p.A.

Message:

LARIPUR® LPR 5760 is a thermoplastic polyurethane elastomer (polyether)(TPU-polyether) material. This product is available in North America, Latin America or Europe. The processing method is injection molding.

LARIPUR® The main features of LPR 5760 are:

Good flexibility

good weather resistance

chemical resistance

Wear-resistant

LARIPUR® Typical application areas of LPR 5760 are: water pipes/pipes/drinking water

General Information			
Features	Flexibility at low temperatures		
	Good wear resistance		
	Good chemical resistance		
	Good weather resistance		
Agency Ratings	NSF 61		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.16	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	56		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	170	MPa	ASTM D790
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
50% strain	15.2	MPa	ASTM D412
100% strain	19.1	MPa	ASTM D412
300% strain	45.0	MPa	ASTM D412
Tensile Strength (Break)	63.3	MPa	ASTM D412
Tensile Elongation (Break)	400	%	ASTM D412
Tear Strength	140	kN/m	ASTM D624
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	130	°C	ASTM D1525
Additional Information			

Abrasion loss, DIN 53516: 35 mm³Tosion Test, ASTM D 1043, 20° C: 40 MPaTosion Test, ASTM D 1043, -20° C: 205 MPaImpact Test, ASTM D 256, -20° C: 10.5 KJ/m²

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