LARIPUR® LPR 2103-90AE

Thermoplastic Polyurethane Elastomer (Polyether)

COIM S.p.A.

Message:

LARIPUR®LPR 2103-90AE is a thermoplastic polyurethane elastomer (polyether)(TPU-polyether) material. This product is available in North America, Latin America or Europe. The processing method is extrusion or injection molding.
LARIPUR®The main characteristics of LPR 2103-90AE are:
Good flexibility
good weather resistance
chemical resistance
Wear-resistant
LARIPUR®Typical application areas of LPR 2103-90AE 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	Extrusion
	Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	90		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
50% strain	7.20	MPa	ASTM D412
100% strain	9.50	MPa	ASTM D412
300% strain	25.6	MPa	ASTM D412
Tensile Strength (Break)	56.0	MPa	ASTM D412
Tensile Elongation (Break)	510	%	ASTM D412
Tear Strength	94.0	kN/m	ASTM D624
Compression Set			ASTM D395
23°C, 70 hr	22	%	ASTM D395
70°C, 22 hr	48	%	ASTM D395
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	90.0	°C	ASTM D1525

Additional Information	

Abrasion loss, DIN 53516: 35 mm³

Recommended distributors for this material

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WECHAT