

# Lionpol IM-40049

Thermoplastic Elastomer

Lion Polymers Incorporated

## Message:

Lionpol IM-40049 is a thermoplastic elastomer (TPE) product. It can be processed by injection molding and is available in North America.

General Information			
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	40	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	1.4 - 1.5	%	ASTM D955
Transverse flow	1.4 - 1.5	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	49		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	1.08	MPa	ASTM D412
Tensile Strength (Break)	10.8	MPa	ASTM D412
Tensile Elongation (Break)	820	%	ASTM D412
Additional Information			
Permanent Set: 8%			
Injection	Nominal Value	Unit	
Rear Temperature	182 - 193	°C	
Front Temperature	199 - 210	°C	
Nozzle Temperature	216 - 221	°C	
Mold Temperature	37.8 - 60.0	°C	
Back Pressure	0.552 - 1.03	MPa	

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## Recommended distributors for this material

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