

Lionpol TE-70018

Thermoplastic Elastomer

Lion Polymers Incorporated

Message:

Lionpol TE-70018 is a thermoplastic elastomer (TPE) product. It can be processed by extrusion and is available in North America.

General Information			
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.13	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	1.8 - 2.0	%	ASTM D955
Transverse flow	1.8 - 2.0	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	18		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	0.290	MPa	ASTM D412
Tensile Strength (Break)	6.60	MPa	ASTM D412
Tensile Elongation (Break)	1100	%	ASTM D412
Compression Set	19	%	ASTM D395
Additional Information			
Permanent Set: 15%			
Injection	Nominal Value	Unit	
Rear Temperature	141 - 179	°C	
Front Temperature	163 - 202	°C	
Nozzle Temperature	163 - 202	°C	
Mold Temperature	21.1 - 32.2	°C	
Back Pressure	0.345 - 1.03	MPa	

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