

# Lionpol HC-204538

Thermoplastic Elastomer  
Lion Polymers Incorporated

Message:

Lionpol HC-204538 is a thermoplastic elastomer (TPE) product. It is available in North America. The main characteristics are: transparency.

General Information			
Features	Definition, high		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	44	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)	38		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	0.689	MPa	ASTM D412
Tensile Strength (Break)	11.5	MPa	ASTM D412
Tensile Elongation (Break)	800	%	ASTM D412
Compression Set	80	%	ASTM D395
Additional Information			
Permanent Set: 10%			
Injection	Nominal Value	Unit	
Rear Temperature	163 - 174	°C	
Front Temperature	174 - 185	°C	
Nozzle Temperature	185 - 196	°C	
Mold Temperature	10.0 - 32.2	°C	
Back Pressure	0.172 - 0.517	MPa	

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