

Lionpol HC-205045

Thermoplastic Elastomer
Lion Polymers Incorporated

Message:

Lionpol HC-205045 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)	53	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)	45		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	0.807	MPa	ASTM D412
Tensile Strength (Break)	10.2	MPa	ASTM D412
Tensile Elongation (Break)	610	%	ASTM D412
Additional Information			
Permanent Set: 9%			
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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