

Softflex® 0150

Thermoplastic Elastomer

Network Polymers, Inc.

Message:

Softflex 0150 is suitable for overmolding polypropylene and polyethylene.

General Information			
Agency Ratings	EC 1907/2006 (REACH) EU 2002/96/EC (WEEE)		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Coating Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.888	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (235°C/1.0 kg)	420	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow : 3.18 mm	1.7	%	
Across Flow : 3.18 mm	1.5	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	12 to 18		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	3.00	MPa	ASTM D412
Tensile Elongation (Break)	800	%	ASTM D412
Tear Strength	8.76	kN/m	ASTM D624
Impact	Nominal Value	Unit	Test Method
Gardner Impact (-30°C)	> 36.2	J	ASTM D5420
Injection	Nominal Value	Unit	Test Method
Suggested Max Regrind	25	%	
Rear Temperature	143 to 154	°C	
Middle Temperature	157 to 168	°C	
Front Temperature	171 to 177	°C	
Nozzle Temperature	179 to 185	°C	
Mold Temperature	15.6 to 23.9	°C	
Injection Rate	Moderate-Fast		
Back Pressure	0.621 to 1.21	MPa	
Screw L/D Ratio	20.0:1.0		
Screw Compression Ratio	1.5:1.0		

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