

# Softflex® 0350

Thermoplastic Elastomer

Network Polymers, Inc.

## Message:

Softflex 0350 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	0.908	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (235°C/1.0 kg)	46	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			ASTM D2240
Shore A	36 to 42		
Shore A, 10 sec	32 to 38		
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	4.00	MPa	ASTM D412
Tensile Elongation (Break)	950	%	ASTM D412
Tear Strength	22.8	kN/m	ASTM D624
Impact	Nominal Value	Unit	Test Method
Gardner Impact (-30°C)	36.2	J	ASTM D5420
Injection	Nominal Value	Unit	
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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#### Recommended distributors for this material

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