

Softflex® 5500

Thermoplastic Elastomer
Network Polymers, Inc.

Message:

Softflex 5500 is suitable for overmolding polypropylene and polyethylene.

General Information			
Forms	Pellets		
Processing Method	Coating Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.918	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (235°C/1.0 kg)	0.20	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow : 3.18 mm	1.7	%	
Across Flow : 3.18 mm	1.3	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	55		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	6.14	MPa	ASTM D412
Tensile Elongation (Break)	1000	%	ASTM D412
Tear Strength	27.5	kN/m	ASTM D624
Injection	Nominal Value	Unit	
Suggested Max Regrind	50	%	
Rear Temperature	171 to 182	°C	
Middle Temperature	188 to 199	°C	
Front Temperature	204 to 216	°C	
Nozzle Temperature	202 to 213	°C	
Mold Temperature	21.1 to 43.3	°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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