

Evolve™ SP4020

Linear Low Density Polyethylene

Prime Polymer Co., Ltd.

Message:

Evolve™ SP4020 is a Linear Low Density Polyethylene product. It can be processed by blown film and is available in Asia Pacific, Europe, or North America. Applications of Evolve™ SP4020 include coating applications, film and industrial applications.

Characteristics include:

Fast Molding Cycle

Good Stiffness

General Information			
Features	Fast Molding Cycle		
	Good Stiffness		
Uses	Film		
	Industrial Applications		
	Laminates		
Processing Method	Blown Film		
Physical	Nominal Value	Unit	Test Method
Density	0.937	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.8	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance	> 1000	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, Injection Molded)	58		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield, Injection Molded	17.0	MPa	
Break, Injection Molded	> 24.0	MPa	
Tensile Strain (Break, Injection Molded)	> 500	%	ISO 527-2
Flexural Modulus (Injection Molded)	560	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	No Break		ISO 179
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	117	°C	ISO 306
Melting Temperature	127	°C	ISO 11357-3

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