

Evolve™ SP1020

Linear Low Density Polyethylene

Prime Polymer Co., Ltd.

Message:

Evolve™ SP1020 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™ SP1020 include film and industrial applications. Primary characteristic: good sealability.

General Information			
Features	Low Temperature Heat Sealability		
Uses	Film		
	Industrial Applications		
Processing Method	Blown Film		
Physical	Nominal Value	Unit	Test Method
Density	0.909	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	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)	51		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break, Injection Molded)	> 19.0	MPa	ISO 527-2
Tensile Strain (Break, Injection Molded)	> 500	%	ISO 527-2
Flexural Modulus (Injection Molded)	140	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	92.0	°C	ISO 306
Melting Temperature	111	°C	ISO 11357-3

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