

Evolve™ SP1521

Linear Low Density Polyethylene

Prime Polymer Co., Ltd.

Message:

Evolve™SP1521 is a linear low density polyethylene product. It can be processed by blowing film and is available in North America, Europe or Asia Pacific.

Evolve™The application areas of SP1521 include packaging, film and agriculture.

Features include:

Good sealing performance

Impact resistance

General Information			
Features	Low temperature heat sealability		
	Impact resistance, high		
	No additive		
Uses	Packaging		
	Films		
	Agricultural application		
Forms	Particle		
Processing Method	Blow film		
Physical	Nominal Value	Unit	Test Method
Density	0.913	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 (Injection Molded)	> 1000	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, Injection Molded)	54		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break, Injection Molded)	16.0	MPa	ISO 527-2
Tensile Strain (Break, Injection Molded)	350	%	ISO 527-2
Flexural Modulus (Injection Molded)	160	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (Injection Molded)	No Break		ISO 179
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	96.0	°C	ISO 306
Melting Temperature (DSC)	116	°C	ISO 3146
Additional Information			

The value listed as Melting Temperature, ISO 3146, was tested in accordance with ISO 11357-3

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