

# Evolve™ SP2510

Linear Low Density Polyethylene  
Prime Polymer Co., Ltd.

Message:

Evolve™ SP2510 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™ SP2510 include bags/liners, film, industrial applications and packaging.  
Characteristics include:  
Fast Molding Cycle  
Good Stiffness

General Information			
Features	Fast Molding Cycle		
	Good Stiffness		
Uses	Bags		
	Film		
	Industrial Applications		
	Packaging		
Processing Method	Blown Film		
Physical	Nominal Value	Unit	Test Method
Density	0.923	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.5	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)	56		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break, Injection Molded)	20.0	MPa	ISO 527-2
Tensile Strain (Break, Injection Molded)	350	%	ISO 527-2
Flexural Modulus (Injection Molded)	260	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	103	°C	ISO 306
Melting Temperature	121	°C	ISO 11357-3

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