

Evolve™ SP3010

Linear Low Density Polyethylene

Prime Polymer Co., Ltd.

Message:

Evolve™ SP3010 is a Linear Low Density Polyethylene product. It can be processed by blown film and is available in Asia Pacific, Europe, or North America.
Typical application: Bags/Liners.
Characteristics include:
Fast Molding Cycle
Good Stiffness

General Information			
Features	Fast Molding Cycle		
	Good Stiffness		
Uses	Heavy-duty Bags		
Processing Method	Blown Film		
Physical	Nominal Value	Unit	Test Method
Density	0.926	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.80	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance	> 1000	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, Compression Molded)	54		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield, Compression Molded	13.0	MPa	
Break, Compression Molded	> 25.0	MPa	
Tensile Strain (Break, Compression Molded)	> 500	%	ISO 527-2
Flexural Modulus (Compression Molded)	490	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	106	°C	ISO 306
Melting Temperature	124	°C	ISO 11357-3

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