

# Evolve™ SP2040

Linear Low Density Polyethylene

Prime Polymer Co., Ltd.

## Message:

Evolve™ SP2040 is a Linear Low Density Polyethylene product. It can be processed by cast film and is available in Asia Pacific, Europe, or North America. Applications of Evolve™ SP2040 include coating applications, film and wrap. Characteristics include:  
Fast Molding Cycle  
Good Sealability

General Information			
Features	Fast Molding Cycle		
	Low Temperature Heat Sealability		
Uses	Film		
	Laminates		
	Stretch Wrap		
Processing Method	Cast Film		
Physical	Nominal Value	Unit	Test Method
Density	0.918	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.8	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)	55		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)	220	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	101	°C	ISO 306
Melting Temperature	116	°C	ISO 11357-3

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