

# Evolve™ SO2530S

Linear Low Density Polyethylene  
Prime Polymer Co., Ltd.

Message:

Evolve™SO2530S is a linear low density polyethylene product. It can be processed by pipeline extrusion molding or extrusion, and is available in North America, Europe or Asia Pacific. Typical application areas are: water pipes/pipes/drinking water. The main characteristics are: good rigidity.

General Information			
Features	Rigid, good		
Uses	Piping system		
Forms	Particle		
Processing Method	Pipeline extrusion molding Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.924	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.6	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)	56		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break, Injection Molded)	18.0	MPa	ISO 527-2
Tensile Strain (Break, Injection Molded)	390	%	ISO 527-2
Flexural Modulus (Injection Molded)	240	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	101	°C	ISO 306
Melting Temperature (DSC)	122	°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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