

Evolve™-H SP3505

High Density Polyethylene

Prime Polymer Co., Ltd.

Message:

Evolve™-H SP3505 is a High Density Polyethylene product. It can be processed by film extrusion and is available in Asia Pacific, Europe, or North America. Applications of Evolve™-H SP3505 include bags/liners, film and industrial applications.

Characteristics include:

High Stiffness

Impact Resistant

General Information			
Features	Bimodal Molecular Weight Distribution		
	Good Melt Strength		
	High Impact Resistance		
	High Stiffness		
Uses	Film		
	Heavy-duty Bags		
	Industrial Applications		
Processing Method	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.936	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.50	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance	> 600	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	58		ASTM D2240, ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	> 600	MPa	ISO 527-2
Tensile Stress (Yield)	17.0	MPa	ISO 527-2
Tensile Strain (Break)	> 25	%	ISO 527-2
Flexural Modulus	600	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	No Break		ISO 179
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -60.0	°C	ASTM D746A, ISO 974
Vicat Softening Temperature	116	°C	ASTM D1525, ISO 306
Melting Temperature	126	°C	ISO 11357-3, ASTM D3418

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT