

Polymer-E F8101

Low Density Polyethylene
Asia Polymer Corporation (APC)

Message:

Polymer-E F8101 is a Low Density Polyethylene product. It is available in Asia Pacific. Typical application: Film.

Characteristics include:

Antiblock

Slip

General Information			
Additive	Medium Antiblock		
	Medium Slip		
Features	Good Drawdown		
	Medium Antiblocking		
	Medium Slip		
Uses	Film		
Appearance	Natural Color		
Physical	Nominal Value	Unit	Test Method
Density	0.923	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	8.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	51		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction	< 0.060		ASTM D1894
Films	Nominal Value	Unit	Test Method
Secant Modulus			ASTM D882
1% Secant, MD : 32 µm, Blown Film	186	MPa	
1% Secant, TD : 32 µm, Blown Film	216	MPa	
Tensile Strength			ASTM D882
MD : Break, 32 µm,Blown Film	17.7	MPa	
TD : Break, 32 µm,Blown Film	13.7	MPa	
Tensile Elongation			ASTM D882
MD : Break, 32 µm,Blown Film	400	%	
TD : Break, 32 µm,Blown Film	520	%	
Dart Drop Impact (32 µm, Blown Film)	50	g	ASTM D1709
Elmendorf Tear Strength ¹			ASTM D1922
MD : 31.8 µm	137.3	kN/m	
TD : 31.8 µm	78.5	kN/m	

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	50.0	°C	ASTM D648
Brittleness Temperature	< -70.0	°C	ASTM D746
Vicat Softening Temperature	95.0	°C	ASTM D1525
Optical	Nominal Value	Unit	Test Method
Gardner Gloss (60°, 31.8 µm, Blown Film)	105		ASTM D523
Haze (31.8 µm, Blown Film)	8.0	%	ASTM D1003
NOTE			

1. Blown Film

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

