

Hanwha Total PE 310A

Low Density Polyethylene
HANWHA TOTAL PETROCHEMICALS Co., Ltd.

Message:
310A is a low-density polyethylene resins for greenhouse films. This grade is designed to be processed in conventional blown film equipment.

General Information			
Additive	High smoothness		
Features	Low density		
	High smoothness		
	Workability, good		
	Good strength		
	Good weather resistance		
Uses	Films		
	Agricultural application		
	Foam		
	Sheet		
Appearance	Clear/transparent		
Forms	Particle		
Processing Method	Blow film		
Physical	Nominal Value	Unit	Test Method
Density	0.921	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.80	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	15.7	MPa	ASTM D638
Tensile Elongation (Break)	740	%	ASTM D638
Coefficient of Friction	0.30		ASTM D1894
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	50	μm	
Tensile Strength			ASTM D882
MD: Break, 50 μm	19.6	MPa	ASTM D882
TD: Break, 50 μm	18.6	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Break, 50 μm	400	%	ASTM D882
TD: Break, 50 μm	600	%	ASTM D882
Dart Drop Impact (50 μm)	120	g	ASTM D1709
Thermal	Nominal Value	Unit	Test Method

Brittleness Temperature	-70.0	°C	ASTM D746
Vicat Softening Temperature	89.0	°C	ASTM D1525 ¹
Melting Temperature	109	°C	
Optical	Nominal Value	Unit	Test Method
Haze (50.0 μm)	11	%	ASTM D1003
Additional Information			
Blocking, SAMSUNG TOTAL: 300 g/10cm ³			
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	150 - 180	°C	
Cylinder Zone 2 Temp.	150 - 180	°C	
Cylinder Zone 3 Temp.	150 - 180	°C	
Cylinder Zone 4 Temp.	150 - 180	°C	
Cylinder Zone 5 Temp.	150 - 180	°C	
Die Temperature	150 - 170	°C	
Extrusion instructions			
Blow up ratio: 1 to 2.5			
NOTE			
1. 压力1 (10N)			

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

