

# Hanwha Total PE 530G

Low Density Polyethylene  
HANWHA TOTAL PETROCHEMICALS Co., Ltd.

Message:  
530G is a low-density polyethylene resin for general purpose 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		
	Definition, high		
	General		
Uses	Films		
	Bags		
	Bottle		
	Food packaging		
	General		
	Shell		
Appearance	Clear/transparent		
Forms	Particle		
Processing Method	Blow film		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.925	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.8	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	12.7	MPa	ASTM D638
Tensile Elongation (Break)	700	%	ASTM D638
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	40	μm	
Tensile Strength			ASTM D882
MD: Break, 40 μm	22.6	MPa	ASTM D882
TD: Break, 40 μm	15.7	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Break, 40 μm	240	%	ASTM D882

TD: Break, 40 µm	590	%	ASTM D882
Dart Drop Impact (40 µm)	65	g	ASTM D1709
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-70.0	°C	ASTM D746
Vicat Softening Temperature	95.0	°C	ASTM D1525 <sup>1</sup>
Melting Temperature	113	°C	
Optical	Nominal Value	Unit	Test Method
Haze (40.0 µm)	7.0	%	ASTM D1003
Additional Information			
Blocking, SAMSUNG TOTAL: 240 g/10cm <sup>3</sup>			
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	160 - 180	°C	
Cylinder Zone 2 Temp.	160 - 180	°C	
Cylinder Zone 3 Temp.	160 - 180	°C	
Cylinder Zone 4 Temp.	160 - 180	°C	
Cylinder Zone 5 Temp.	160 - 180	°C	
Die Temperature	160 - 180	°C	
Extrusion instructions			
Blow up ratio: 1 to 2			
NOTE			
1. 压力1 (10N)			

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#### Recommended distributors for this material

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