

Hanwha Total PE 8230F

Linear Low Density Polyethylene
HANWHA TOTAL PETROCHEMICALS Co., Ltd.

Message:

8230F is a linear low-density polyethylene resin for heat seal layer of laminated films. This grade is designed to be processed in conventional blown film equipment.

General Information			
Features	Good Heat Seal		
	Good Processability		
	Heat Sealable		
	High Clarity		
	High Impact Resistance		
	High Tensile Strength		
	Low Density		
	Opticals		
	Puncture Resistant		
Uses	Bags		
	Film		
	Food Packaging		
	Laminates		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Blown Film		
Physical	Nominal Value	Unit	Test Method
Density	0.922	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	38	µm	ASTM D882
Tensile Strength			
MD : Yield,38 µm	9.81	MPa	
TD : Yield,38 µm	10.8	MPa	ASTM D882
MD : Break, 38 µm	34.3	MPa	
TD : Break, 38 µm	27.5	MPa	
Tensile Elongation			ASTM D882
MD : Break, 38 µm	580	%	ASTM D1922
TD : Break, 38 µm	800	%	
Elmendorf Tear Strength			

MD : 25 μm	130	g	
TD : 25 μm	300	g	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	98.0	°C	ASTM D1525 ¹
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 38.0 μm)	65		ASTM D2457
Haze (38.0 μm)	6.0	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	170 to 190	°C	
Cylinder Zone 2 Temp.	170 to 190	°C	
Cylinder Zone 3 Temp.	170 to 190	°C	
Cylinder Zone 4 Temp.	170 to 190	°C	
Cylinder Zone 5 Temp.	170 to 190	°C	
Die Temperature	190 to 200	°C	
NOTE			
1.	Loading 1 (10 N)		

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