

# Hanwha Total PE 8400F

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

Message:

Hanwha Total PE 8400F is a linear low density polyethylene product. It can be processed by blowing film and is available in North America or Asia Pacific. Typical application areas are: packaging.

Features include:

- high strength
- Copolymer
- Good processability
- Good tear strength
- Good sealing performance

General Information			
Features	Low density		
	High tensile strength		
	Copolymer		
	Impact resistance, high		
	Workability, good		
	Good heat sealability		
	Good tear strength		
Uses	Packaging		
Appearance	Clear/transparent		
Forms	Particle		
Processing Method	Blow film		
Physical	Nominal Value	Unit	Test Method
Density	0.926	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.60	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D882
MD: Yield	13.2	MPa	ASTM D882
TD: Yield	13.2	MPa	ASTM D882
MD: Fracture	42.2	MPa	ASTM D882
TD: Fracture	34.3	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	580	%	ASTM D882
TD: Fracture	760	%	ASTM D882
Dart Drop Impact	300	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD : 25 µm	290	g	ASTM D1922
TD : 25 µm	510	g	ASTM D1922

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	180 - 200	°C
Cylinder Zone 2 Temp.	180 - 200	°C
Cylinder Zone 3 Temp.	180 - 200	°C
Cylinder Zone 4 Temp.	180 - 200	°C
Cylinder Zone 5 Temp.	180 - 200	°C
Die Temperature	200 - 210	°C

#### Extrusion instructions

Blow up ratio: 1 to 2

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#### Recommended distributors for this material

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