Hanwha Total PE 4220S

Linear Low Density Polyethylene

HANWHA TOTAL PETROCHEMICALS Co., Ltd.

Message:

Hanwha Total PE 4220S is a linear low density polyethylene product. It can be processed by blowing film and is available in North America or Asia Pacific. The application areas of Hanwha Total PE 4220S include bags/linings and packaging.
Features include:
Copolymer
slide
Good processability
Good tear strength
Good sealing performance

General Information			
Additive	High smoothness		
Features	Low density High smoothness Copolymer Optical Impact resistance, high Workability, good Good heat sealability Good tear strength General		
Uses	Packaging Bags General		
Appearance	Clear/transparent		
Forms	Particle		
Processing Method	Blow film		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.922	g/cm³	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	
Tensile Strength			ASTM D882
MD: Yield, 38 µm	9.81	MPa	ASTM D882
TD: Yield, 38 µm	10.8	MPa	ASTM D882
MD: Fracture, 38 µm	40.2	MPa	ASTM D882
TD: Fracture, 38 µm	31.4	MPa	ASTM D882

Tensile Elongation			ASTM D882
MD: Fracture, 38 µm	620	%	ASTM D882
TD: Fracture, 38 µm	840	%	ASTM D882
Elmendorf Tear Strength			ASTM D1922
MD : 25 µm	150	g	ASTM D1922
TD : 25 µm	370	g	ASTM D1922
Thermal	**Nominal Value**	**Unit**	**Test Method**
Brittleness Temperature	-70.0	°C	ASTM D746
Vicat Softening Temperature	100	°C	ASTM D1525
Optical	**Nominal Value**	**Unit**	**Test Method**
Gloss (45°, 38.0 µm)	55		ASTM D2457
Haze (38.0 µm)	12	%	ASTM D1003
Extrusion	**Nominal Value**	**Unit**	
Cylinder Zone 1 Temp.	170 - 190	°C	
Cylinder Zone 2 Temp.	170 - 190	°C	
Cylinder Zone 3 Temp.	170 - 190	°C	
Cylinder Zone 4 Temp.	170 - 190	°C	
Cylinder Zone 5 Temp.	170 - 190	°C	
Die Temperature	190 - 200	°C	

Extrusion instructions

Blow up ratio: 1.0 to 2.0

Recommended distributors for this material

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WECHAT