

QAMAR HB18N

Linear Low Density Polyethylene
SPDC Ltd.

Message:

QAMAR HB18N is a linear low density polyethylene material. This product is available in North America, Africa and the Middle East, Europe or Asia Pacific region. The processing method is blow molded film. The main characteristics of QAMAR HB18N are: high strength.
Typical application areas include:
bag/lining
Movie

General Information			
Features	High strength		
	No additive		
Uses	Films		
	Heavy packing bag		
Processing Method	Blow film		
Physical	Nominal Value	Unit	Test Method
Density	0.918	g/cm ³	ASTM D4883
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.50	g/10 min	ISO 1872-2
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	55		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	9.00	MPa	ISO 1872-2
Tensile Strain (Break)	> 430	%	ISO 1872-2
Flexural Modulus	200	MPa	ISO 1872-2
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	30	µm	
Tensile Modulus			ISO 527-3
MD : 30 µm	200	MPa	ISO 527-3
TD : 30 µm	230	MPa	ISO 527-3
Tensile Stress			ISO 527-3
MD: Break, 30 µm	60.0	MPa	ISO 527-3
TD: Break, 30 µm	45.0	MPa	ISO 527-3
Tensile Elongation			ISO 527-3
MD: Break, 30 µm	500	%	ISO 527-3
TD: Break, 30 µm	850	%	ISO 527-3
Dart Drop Impact (30 µm)	130	g	ISO 7765-1
Elmendorf Tear Strength			ISO 6383-2
MD : 30 µm	30	N	ISO 6383-2

TD : 30 μm	170	N	ISO 6383-2
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -70.0	°C	ISO 974
Vicat Softening Temperature	102	°C	ISO 306
Melting Temperature	122	°C	ISO 11357-3
Optical	Nominal Value	Unit	Test Method
Haze (30.0 μm)	7.0	%	ISO 14782
Extrusion instructions			

Resin Temperature: 200°C Blow up Ratio: 2.0 Extruder: 40 mm, L/D=24 Die Diameter: 75 mm

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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

