

QAMAR FC18N

Linear Low Density Polyethylene

SPDC Ltd.

Message:

QAMAR FC18N 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 typical application fields of QAMAR FC18N are: movies

General Information			
Features	No additive		
Uses	Films		
	General		
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)	1.0	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	190	MPa	ISO 527-3
TD : 30 µm	220	MPa	ISO 527-3
Tensile Stress			ISO 527-3
MD: Break, 30 µm	55.0	MPa	ISO 527-3
TD: Break, 30 µm	40.0	MPa	ISO 527-3
Tensile Elongation			ISO 527-3
MD: Break, 30 µm	550	%	ISO 527-3
TD: Break, 30 µm	850	%	ISO 527-3
Dart Drop Impact (30 µm)	120	g	ISO 7765-1
Elmendorf Tear Strength			ISO 6383-2
MD : 30 µm	30	N	ISO 6383-2
TD : 30 µm	160	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)	8.0	%	ISO 14782
Extrusion instructions			

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

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Recommended distributors for this material

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