

QAMAR FD21HS

Linear Low Density Polyethylene
SPDC Ltd.

Message:

QAMAR FD21HS is a linear low density polyethylene material. This product is available in North America. The processing method is: blown film or cast film.
The main features of QAMAR FD21HS are:
Antiblock software
slide
Transparency
The typical application fields of QAMAR FD21HS are: movies

General Information	
Additive	Anti-caking agent slip agent
Features	smoothness Anti-caking property Definition, high General
Uses	Films cast film General
Forms	Particle
Processing Method	Blow film cast film

Physical	Nominal Value	Unit	Test Method
Density	0.918	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	54		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			JIS K6760
Yield	12.0	MPa	JIS K6760
Fracture	26.0	MPa	JIS K6760
Tensile Strain (Break)	900	%	JIS K6760
Apparent Bending Modulus	260	MPa	ASTM D747
Films	Nominal Value	Unit	Test Method

Film Thickness - Tested	30	μm	
Tensile Modulus			ISO IR 1184
MD : 30 μm	190	MPa	ISO IR 1184
TD : 30 μm	210	MPa	ISO IR 1184
Tensile Stress			JIS Z1702
MD: Break, 30 μm	40.0	MPa	JIS Z1702
TD: Break, 30 μm	35.0	MPa	JIS Z1702
Tensile Elongation			JIS Z1702
MD: Break, 30 μm	600	%	JIS Z1702
TD: Break, 30 μm	900	%	JIS Z1702
Dart Drop Impact (30 μm)	110	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD : 30 μm	30	g	ASTM D1922
TD : 30 μm	140	g	ASTM D1922
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -70.0	°C	ASTM D746
Vicat Softening Temperature	100	°C	ASTM D1525
Melting Temperature	122	°C	DSC
Optical	Nominal Value	Unit	Test Method
Haze (30.0 μm)	12	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	170 - 190	°C	
Melt Temperature (Aim)	180	°C	
Extrusion instructions			

Blow up Ratio: 2 to 4Screw Type: LLDPE screwDie Lip Gap: 2.0 to 3.0 mmAir Ring: Single or Dual Slit (Wide die)

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