

# SCLAIR® FP019-C

Linear Low Density Polyethylene

NOVA Chemicals

## Message:

SCLAIR® FP019-C is a Linear Low Density Polyethylene material. It is available in North America for film extrusion.

Important attributes of SCLAIR® FP019-C are:

Good Sealability

Good Toughness

Octene Comonomer

Processing Aid

Typical applications include:

Film

Food Contact Applications

General Information			
Additive	Processing Aid		
Features	Good Heat Seal		
	Good Melt Strength		
	Good Toughness		
	Low Density		
	Low Gel		
	Octene Comonomer		
Uses	Film		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.2a		
Processing Method	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.918	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.80	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	25	µm	ASTM D882
Secant Modulus			
1% Secant, MD : 25 µm, Blown Film	140	MPa	
1% Secant, TD : 25 µm, Blown Film	170	MPa	ASTM D882
Tensile Strength			
MD : Yield,25 µm, Blown Film	9.00	MPa	
TD : Yield,25 µm, Blown Film	10.0	MPa	ASTM D882
MD : Break, 25 µm,Blown Film	61.0	MPa	
TD : Break, 25 µm,Blown Film	48.0	MPa	
Tensile Elongation			ASTM D882
MD : Break, 25 µm,Blown Film	560	%	
TD : Break, 25 µm,Blown Film	760	%	

Dart Drop Impact (25 µm, Blown Film)	560	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 25 µm, Blown Film	300	g	
TD : 25 µm, Blown Film	590	g	
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 25.0 µm, Blown Film)	65		ASTM D2457
Haze (25.0 µm, Blown Film)	7.0	%	ASTM D1003
Additional Information	Nominal Value	Unit	Test Method
Low Friction Puncture	890	J/cm	Internal Method

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#### Recommended distributors for this material

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