

# SCLAIR® FP020-D

Linear Low Density Polyethylene  
NOVA Chemicals

Message:

SCLAIR® FP020-D is a Linear Low Density Polyethylene material. It is available in North America for film extrusion.  
Important attributes of SCLAIR® FP020-D are:  
Antiblock  
Antioxidant  
Good Sealability  
Good Toughness  
Octene Comonomer  
Typical applications include:  
Coating Applications  
Film  
Food Contact Applications  
Packaging

General Information			
Additive	Antiblock (2500 ppm)		
	Antioxidant		
	Processing Aid		
	Slip (800 ppm)		
Features	Antiblocking		
	Antioxidant		
	Good Heat Seal		
	Good Strength		
	Good Toughness		
	Low Density		
	Low Gel		
	Octene Comonomer		
	Slip		
Uses	Film		
	Food Packaging		
	Laminates		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.2a		
Processing Method	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.921	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.75	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method

Film Thickness - Tested	25	μm	
Secant Modulus			ASTM D882
1% Secant, MD : 25 μm, Blown Film	180	MPa	
1% Secant, TD : 25 μm, Blown Film	205	MPa	
Tensile Strength			ASTM D882
MD : Yield, 25 μm, Blown Film	10.0	MPa	
TD : Yield, 25 μm, Blown Film	10.0	MPa	
MD : Break, 25 μm, Blown Film	57.0	MPa	
TD : Break, 25 μm, Blown Film	46.0	MPa	
Tensile Elongation			ASTM D882
MD : Break, 25 μm, Blown Film	500	%	
TD : Break, 25 μm, Blown Film	800	%	
Dart Drop Impact (25 μm, Blown Film)	550	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 25 μm, Blown Film	370	g	
TD : 25 μm, Blown Film	650	g	
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 25.0 μm, Blown Film)	58		ASTM D2457
Haze (25.0 μm, Blown Film)	10	%	ASTM D1003
Additional Information	Nominal Value	Unit	Test Method
Low Friction Puncture <sup>1</sup> (25.0 μm)	600	J/cm	Internal Method
NOTE			
1.	Blown Film		

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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

