

SCLAIR® FG220-A

Linear Low Density Polyethylene

NOVA Chemicals

Message:

SCLAIR® FG220-A is a Linear Low Density Polyethylene material. It is available in North America for coextruded film or film extrusion.

Important attributes of SCLAIR® FG220-A are:

- Antioxidant
- Food Contact Acceptable
- Good Toughness
- Typical applications include:
 - Coating Applications
 - Film
 - Food Contact Applications
 - Wrap

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Food Contact Acceptable		
	Good Toughness		
	Low Density		
	Low Gel		
Uses	Cast Film		
	Laminates		
	Stretch Wrap		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.2a		
Forms	Pellets		
Processing Method	Coextruded Film		
	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.920	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.3	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	20	µm	ASTM D882
Secant Modulus			
1% Secant, MD : 20 µm, Cast Film	140	MPa	
1% Secant, TD : 20 µm, Cast Film	160	MPa	ASTM D882
Tensile Strength			
MD : Yield,20 µm, Cast Film	8.90	MPa	

TD : Yield,20 μm, Cast Film	8.40	MPa	
MD : Break, 20 μm,Cast Film	33.0	MPa	
TD : Break, 20 μm,Cast Film	25.0	MPa	
Tensile Elongation			ASTM D882
MD : Break, 20 μm,Cast Film	440	%	
TD : Break, 20 μm,Cast Film	760	%	
Dart Drop Impact (20 μm, Cast Film)	190	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 20 μm, Cast Film	290	g	
TD : 20 μm, Cast Film	650	g	
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 20.0 μm, Cast Film)	85		ASTM D2457
Haze (20.0 μm, Cast Film)	2.0	%	ASTM D1003
Additional Information	Nominal Value	Unit	
Low Friction Puncture	800	J/cm	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

