

## Technical Data

### Product Description

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

Important attributes of SCLAIR® FG220-A are:

- Antioxidant
- Food Contact Acceptable
- Good Toughness
- Octene Comonomer

Typical applications include:

- Coating Applications
- Film
- Food Contact Applications
- Wrap

### General

Material Status	• Commercial: Active
Literature <sup>1</sup>	• <a href="#">Technical Datasheet (English)</a>
Search for UL Yellow Card	• <a href="#">NOVA Chemicals</a> • <a href="#">SCLAIR®</a>
Availability	• North America
Additive	• Antioxidant
Features	• Antioxidant • Food Contact Acceptable • Good Toughness • Low Density • Low Gel • Octene Comonomer
Uses	• Cast Film • Laminates • Stretch Wrap
Agency Ratings	• FDA 21 CFR 177.1520(c) 3.2a
Forms	• Pellets
Processing Method	• Cast Film • Coextruded Film

Physical	Nominal Value Unit	Test Method
Density / Specific Gravity	0.920 g/cm <sup>3</sup>	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	
Secant Modulus		ASTM D882
1% Secant, MD : 20 µm, Cast Film	140 MPa	
1% Secant, TD : 20 µm, Cast Film	160 MPa	
Tensile Strength		ASTM D882
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)	2.00 %	ASTM D1003



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**Additional Information**

**Nominal Value Unit**

Low Friction Puncture

800 J/cm

**Notes**

<sup>1</sup> These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

<sup>2</sup> Typical properties: these are not to be construed as specifications.



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Where to Buy

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Supplier

**NOVA Chemicals**  
Calgary, Calgary Canada  
Telephone: 403-750-3600  
Web: <http://www.novachemicals.com/>

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Distributor

**Amco Polymers**  
Telephone: 800-262-6685  
Web: <http://www.amcopolymers.com/>  
Availability: North America

**M. Holland Canada Company**  
Telephone: 905-665-1168  
Web: <http://www.mholland.com/>  
Availability: Canada

**M. Holland Company**  
Telephone: 855-497-1403  
Web: <http://www.mholland.com/>  
Availability: Mexico, United States

**Nexeo Plastics**  
*Nexeo Plastics is leading global resin distributor with the technical resources you need to overcome material challenges. Visit us on the web at [www.nexeoplastics.com](http://www.nexeoplastics.com).*  
Telephone: 833-446-3936  
Web: <https://www.nexeoplastics.com/>  
Availability: North America

**Osterman & Company**  
Telephone: 800-914-4437  
Web: <http://www.osterman-co.com/>  
Availability: North America

