NOVA Chemicals
Polyethylene

Product Data Sheet

SCLAIR® FP020-F Resin

Octene Copolymer LLDPE Film Resin

Property		ASTM (1)	Typical Values (2)			
Melt Index(3)		D 1238	0.75	g/10 min		
Density		D 792	0.921	g/cm³		
			METRIC UNITS		ENGLISH UNITS	
Film Properties(4)						
Thickness			25	µm	1.0	mil
Tear Strength	MD	D 1922	370	g		
	TD		650	g		
Dart Drop Impact, F_{50}		D 1709/A	550	g		
Low Friction Puncture(5)			60	J/mm	13	in-lb/mil
Tensile Strength	MD	D 882	57	MPa	8,300	psi
	TD		46	MPa	6,700	psi
Yield Strength	MD	D 882	10	MPa	1,400	psi
	TD		10	MPa	1,400	psi
Elongation	MD	D 882	500	%	500	%
	TD		800	%	800	%
1% Secant Modulus	MD	D 882	180	MPa	26,100	psi
	TD		205	MPa	29,700	psi
Haze		D 1003	10	%	10	%
Gloss @ 45°		D 2457	58		58	

(1) Properties designated have been determined using methods which are in accordance with, or substantially in accordance with, the specified testing standards.

(2) Typical Values represent average laboratory values and are intended as guides only, not as specifications.

(3) Condition 190°C/2.16 kg.

(4) Film properties are typical of cast film extruded at a melt temperature of 500°F, and a line speed of 800 ft/min.

(5) NOVA Chemicals test method.

Melt Index	0.75
Density	0.921
Slip	None
Antiblock	3000

Features

- Outstanding toughness and strength
- Excellent sealability
- Low gel

Additives

- Processing antioxidant
- Polymer process aid
- Antiblock

Applications

- Sealant and lamination film for food packaging
- High strength film

NOVA Chemicals 403.291.8444 | 800.222.7213 x4170 | info@novachem.com | novachemicals.com

Product Data Sheet

NOVA Chemicals
Polyethylene

SCLAIR FP020-F Resin

Octene Copolymer LLDPE Film Resin

Availability

SCLAIR FP020-F polyethylene resins are available in bulk hopper cars, hopper trucks, boxes, sea bulk containers, or bags. The product type and batch number are clearly marked on each container. Contact the NOVA Chemicals sales office nearest you for availability in your area.

Storage/Handling

SCLAIR FP020-F resin should be stored in a clean, dry place at ambient temperatures. Prolonged or improper storage can result in deterioration of product properties. Care should be taken when handling and transferring product to prevent foreign matter contamination. The NOVA Chemicals Safety Data Sheet (SDS) contains important safety information and should be reviewed before using the product.

Processing Conditions

Comprehensive assistance with processing conditions and technology is available from NOVA Chemicals Technical Service at (403) 291-8444.

Food Packaging Status

For regulatory compliance information, please contact your nearest NOVA Chemicals office.

Environmental

NOVA Chemicals polyethylene resins are biologically and chemically inert, but improper disposal may present an ingestion hazard to wildlife. Where recycling of NOVA Chemicals' polyethylene resins is not possible, disposal to landfill or incineration in accordance with all applicable government laws and regulations is recommended. Please contact NOVA Chemicals Technical Service for further information on recycling and disposal of NOVA Chemicals resins.

is the SPI resin code developed for low density and linear low density polyethylene to identify material type for sorting and recycling purposes.

January 12, 2022

NOVA Chemicals 403.291.8444 | 800.222.7213 x4170 | info@novachem.com | novachemicals.com