NOVA Chemicals
Polyethylene

Product Data Sheet

SCLAIR® 31E Resin

Butene Copolymer LLDPE Extrusion Coating Resin

Property	ASTM (1)	Typical Values (2)			
Melt Index(3)	D 1238	10.5	g/10 min		
Density	D 792	0.922	g/cm³		
Hardness, Shore D	D 2240	56			
		METRIC UNITS		ENGLISH UNITS	
Vicat Softening Point	D 1525	91	°C	196	°F
Low Temperature Brittleness Point	D 746	< -70	°C	< -94	°F
Yield Strength	D 638	10.3	MPa	1,500	psi
Tensile Strength	D 638	12.4	MPa	1,800	psi
Elongation	D 638	725	%	725	%
Flexural Modulus	D 790	310	MPa	45,000	psi

(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.

Melt Index	10.5
Density	0.922

Features

- Excellent tensile properties
- Excellent impact toughness
- Outstanding gloss and clarity
- Excellent processability

Additives

- Processing antioxidant

Applications

- Coating and sheathing

Product Data Sheet

NOVA Chemicals Polyethylene

SCLAIR 31E Resin

Butene Copolymer LLDPE Extrusion Coating Resin

Availability

SCLAIR 31E 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 31E 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

United States: SCLAIR 31E resin complies with the specifications contained in the U.S. Food and Drug Administration (FDA) regulation 21 CFR 177.1520 for olefin polymers, para. (c) 3.1a, and may thus be used in the United States as an article or component of an article intended for use in contact with food. This resin is subject to the specific limitation that it may not be used in articles used for packing or holding food during cooking.

Other Countries: For regulatory compliance information for other countries, 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.

The NOVA Chemicals logo is a registered trademark of NOVA Brands Ltd.; authorized use/utilisation autorisée.
SCLAIR® is a registered trademark of NOVA Chemicals Corporation in Canada and of NOVA Chemicals (International) S.A. elsewhere; authorized use/utilisation autorisée.

The above information is provided in good faith. NOVA Chemicals is not responsible for any processing or compounding which may occur to produce finished articles, packaging materials or their components. Further, NOVA CHEMICALS MAKES NO WARRANTY OR REPRESENTATION OF ANY KIND, REGARDING THE INFORMATION GIVEN FOR THE PRODUCTS DESCRIBED, AND EXPRESSLY DISCLAIMS ALL IMPLIED WARRANTIES, REPRESENTATIONS AND CONDITIONS, INCLUDING WITHOUT LIMITATION ALL WARRANTIES AND CONDITIONS OF QUALITY, MERCHANTABILITY AND SUITABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Responsibility for use, storage, handling and disposal of the products described herein is that of the purchaser or end user.

June 19, 2018