NOVA Chemicals®

polyethylene

product data sheet

SCLAIR® 31G Resin

Butene Copolymer LLDPE Extrusion Coating Resin

Property	ASTM (1)	Typical Values (2)			
Melt Index(3)	D 1238	11.5	g/10 min		
Density	D 792	0.922	g/cm³		
Hardness, Shore D	D 2240	53			
		METRIC UNITS		ENGLISH UNITS	
Vicat Softening Point	D 1525	92	°C	198	°F
Low Temperature Brittleness Point	D 746	< -70	°C	< -94	°F
Yield Strength	D 638	10.2	MPa	1,500	psi
Elongation	D 638	600	%	600	%
Flexural Modulus	D 790	335	MPa	48,600	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 11.5

Density 0.922

Features

- Excellent tensile properties
- Excellent impact toughness
- Excellent processability

Additives

- Processing antioxidant

PRODUCT DATA SHEET

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Availability

SCLAIR 31G 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 31G 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 31G 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.

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