

polyethylene

SCLAIR® 19A Resin

Homopolymer HDPE Molding Resin



product data sheet

Property	ASTM	Typical Values	
Melt Index ⁽³⁾	D 1238	0.72 g/10 min	
Density	D 792	0.962 g/cm ³	
Hardness, Shore D	D 2240	69	
		METRIC UNITS	ENGLISH UNITS
Vicat Softening Point	D 1525	128 °C	262 °F
Tensile Strength	D 638	29 MPa	4,200 psi
Elongation ⁽⁴⁾	D 638	1,000 %	1,000 %
Flexural Modulus	D 790	1,350 MPa	195,800 psi
ESCR, (F ₅₀) ⁽⁵⁾	D 1693	25 h	

- (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) Tensile pull speed 50 mm/min.
- (5) Environmental stress crack resistance, Condition A, 100% Igepal.

Melt Index 0.72

Density 0.962

Features

- Homopolymer
- High drop impact resistance and high stiffness

Additives

- Processing antioxidant

Applications

- Juice containers
- Personal protective equipment
- Grain elevator buckets
- Designed for accumulator and reciprocating-screw machines

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Availability

SCLAIR 19A 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

19A 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 Material Safety Data Sheet (MSDS) 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: 19A complies with the specifications contained in the U.S. Food and Drug Administration (FDA) regulation 21 CFR 177.1520 for olefin polymers, para. (c) 2.2, and may thus be used in the United States as an article or component of an article intended for use in contact with food, without temperature or food-type restrictions, subject to technical suitability.

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 high density polyethylene to identify material type for sorting and recycling purposes.

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