NOVA Chemicals
Polyethylene

Product Data Sheet

NOVAPOL® HB-L354-A Resin

Hexene Copolymer HDPE Blow Molding Resin

Property		ASTM (1)	Typical Values (2)			
Melt Index	(3)	D 1238	0.3	g/10 min		
Density		D 792	0.955	g/cm³		
			METRIC UNITS		ENGLISH UNITS	
Molded Plaque Properties						
Yield Strength	(4)	D 638	31	MPa	4,500	psi
Elongation	(4)	D 638	900	%		
Flexural Modulus		D 790	1,180	MPa	171,100	psi
Vicat Softening Point		D 1525	125	°C	257	°F
ESCR, (F_{50})	(5)	D 1693	35	h		
Izod Impact	(6)	D 256	2.7	J/cm	5	ft-lb/in

(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 B, 100% Igepal.

(6) 3.2 mm (0.125 in) thick specimen.

Melt Index	**0.3**
Density	**0.955**

Features

- Good balance of physical and molding properties; high toughness
- Excellent processability on high-speed, multiple-head blow molding lines
- UL 94 HB

Additives

- Processing stabilizer

Applications

- Household chemical bottles
- Industrial chemical bottles
- Automotive fluid bottles
- Pharmaceutical bottles
- Toys

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Availability

NOVAPOL HB-L354-A 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

NOVAPOL HB-L354-A 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 high density polyethylene to identify material type for sorting and recycling purposes.

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