



SURPASS[®] EX-IFs730-R Resin

Octene Copolymer MDPE Food Packaging Lid Resin

Property	ASTM (1)	Typical Values (2)	
Melt Index ⁽³⁾	D 1238	85 g/10 min	
Density	D 792	0.930 g/cm ³	
		METRIC UNITS	ENGLISH UNITS
Yield Strength	⁽⁴⁾ D 638	15.2 MPa	2,200 psi
Tensile Strength	⁽⁴⁾ D 638	9.2 MPa	1,300 psi
Elongation at Yield	⁽⁴⁾ D 638	12 %	
Elongation - Break	⁽⁴⁾ D 638	104 %	
1% Tensile Secant Modulus	D 638	618 MPa	89,600 psi
1% Flexural Secant Modulus	D 790	526 MPa	76,300 psi
Hardness, Shore D	D 2240	62	
Vicat Softening Point	D 1525	101 °C	214 °F

Melt Index **85**

Density **0.930**

Features

- Outstanding processability, for improved cycle times
- Low warpage for improved part quality and reliability
- Superior cold temperature impact resistance
- Excellent organoleptic properties

Additives

- Processing antioxidant
- Mold release

Applications

- Thin wall lids for food packaging containers

(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. Compression molding of samples done per ASTM conditions. Testing of injection molded samples done on the sidewall of injection molded containers in the machine direction. Physical properties of injection molded parts are dependent on molding conditions.

(3) Condition 190°C/2.16 kg.

(4) Tensile pull speed 50 mm/min.



SURPASS EX-IFs730-R Resin

Octene Copolymer MDPE Food Packaging Lid Resin

Availability

Contact the NOVA Chemicals sales office nearest you for availability in your area.

Storage/Handling

SURPASS EX-IFs730-R 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.

This information is believed to be correct as of the date of this statement. However, since the subject resin is a developmental product of NOVA Chemicals, the foregoing is subject to change without notice.

The NOVA Chemicals logo is a registered trademark of NOVA Brands Ltd.; authorized use/utilisation autorisée.

SURPASS® 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.

November 16, 2023