



# SURPASS<sup>®</sup> EX-IFs932-R Resin

## Octene Copolymer MDPE Injection Molding Resin

Property	ASTM <sup>(1)</sup>	Typical Values <sup>(2)</sup>	
Melt Index <sup>(3)</sup>	D 1238	150 g/10 min	
Density	D 792	0.932 g/cm <sup>3</sup>	
		METRIC UNITS	ENGLISH UNITS
Yield Strength	<sup>(4)</sup> D 638	16 MPa	2,300 psi
Tensile Strength	<sup>(4)</sup> D 638	10 MPa	1,500 psi
Elongation at Yield	<sup>(4)</sup> D 638	11 %	
Elongation - Break	<sup>(4)</sup> D 638	35 %	
1% Tensile Secant Modulus	D 638	700 MPa	101,500 psi
1% Flexural Secant Modulus	D 790	580 MPa	84,100 psi
Hardness, Shore D	D 2240	60	
Vicat Softening Point	D 1525	98 °C	208 °F

**Melt Index 150**
**Density 0.932**

### Features

- Excellent balance of stiffness and toughness to meet application requirements
- Low viscosity for exceptional processability, shorter cycle times, and energy savings
- Increases opportunities for light-weighting of lid designs
- Low warpage for improved part quality and reliability
- Superior organoleptic properties
- Excellent contact clarity properties

### Additives

- Processing antioxidant
- Mold release

### Applications

- Lids, for non frozen, thin wall, 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.



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### Availability

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

### Storage/Handling

SURPASS EX-IFs932-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.

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