

## Octene Copolymer sMDPE Injection Molding Resin

### IFs932-R

**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

- Antioxidant
- Mold Release

#### Applications

- Lids, for non frozen, thin wall, food packaging containers

Properties	ASTM <sup>(1)</sup>	Units	Typical Values <sup>(2)</sup>
<b>Melt Index<sup>(3)</sup></b>	D 1238	g/10 min	150
<b>Density (g/cm<sup>3</sup>)</b>	D 792	g/cm <sup>3</sup>	0.932
<b>Snake Flow Number</b>	NOVA	cm (in)	50.8 (20)
<b>Tensile Strength @ Yield (50 mm/min)</b>	D 638	MPa (psi)	16 (2 320)
<b>Tensile Strength @ Break (50 mm/min)</b>	D 638	MPa (psi)	10 (1 450)
<b>Elongation @ Yield (50 mm/min)</b>	D 638	%	11
<b>Elongation @ Break (50 mm/min)</b>	D 638	%	35
<b>Tensile Secant Modulus @ 1%</b>	D 638	MPa (psi)	700 (101 526)
<b>Flexural Secant Modulus @ 1%</b>	D 790	MPa (psi)	580 (84 122)
<b>Hardness, Shore D</b>	D 2240	--	60
<b>Softening Point (Vicat)</b>	D 1525	°C (°F)	98 (208)

(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.

IFs932-R-sMDPE

SURPASS®

**Availability**

**SURPASS 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**

IFs932-R 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:** IFs932-R complies with the specifications contained in the U.S. Food and Drug Administration (FDA) regulation 21 CFR 177.1520 for olefin polymers, para. (c) 3.2a, 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.



HDPE LDPE Medium density polyethylene can be sorted and recycled with both LDPE/LLDPE or HDPE as per SPI recommendation.

[www.novachemicals.com](http://www.novachemicals.com)

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