


**Product Data Sheet**

# SURPASS® SPs360 Resin

Octene Copolymer VLLDPE Film Resin

Property	ASTM <sup>(1)</sup>	Units	Typical Values <sup>(2)</sup>
Melt Index <sup>(3)</sup>		D 1238	0.85 g/10 min
Density		D 792	0.908 g/cm <sup>3</sup>

**Melt Index 0.85**

**Density 0.908**

		METRIC UNITS	ENGLISH UNITS
<b>Film Properties <sup>(4)</sup></b>			
Thickness		115 µm	4.5 mil
Tear Strength	MD D 1922	318 g	
	TD	445 g	
Dart Drop Impact, F <sub>50</sub>	D 1709/B	3,318 g	
Puncture Resistance	D 5748-95	35.9 J/mm	8.1 in-lb/mil
Tensile Strength	MD D 882	44.5 MPa	6,500 psi
	TD	42.7 MPa	6,200 psi
Yield Strength	MD D 882	6.2 MPa	900 psi
	TD	6.1 MPa	900 psi
Elongation	MD D 882	808 %	
	TD	796 %	
1% Secant Modulus	MD D 882	115 MPa	16,700 psi
	TD	123 MPa	17,800 psi
Haze	D 1003	12.6 %	
Gloss @ 45°	D 2457	68	

## Features

- High elastic recovery and holding force
- Good puncture resistance
- Excellent optical properties

## Additives

- Processing antioxidant

## Applications

- Stretch hood films
- Blend component for high performance industrial films

(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) Film properties are typical of blown film extruded on a 2.5" extruder with 4" die and 35-mil die gap at a blow up ratio of 2.5:1, but are dependent upon operating conditions.



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### Availability

SURPASS SPs360 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

SURPASS SPs360 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.

### 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.

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