


Product Data Sheet

SURPASS[®] VPsK914 Series Resin

Octene Copolymer LLDPE Film Resins

Grades

VPsK914-A
 VPsK914-C
 VPsK914-D

Additive Packages

Processing antioxidant only
 Next gen non-fluorinated PPA
 Slip (1000 ppm), AB (2500 ppm), Next gen non-fluorinated PPA

Applications

Lamination film, co-extruded sealant layer, high toughness film
 Lamination film, co-extruded sealant layer, high toughness film
 Lamination film, co-extruded sealant layer, high toughness film

PPA = polymer process aid

Property	ASTM ⁽¹⁾	Typical Values ⁽²⁾ for VPsK914-C	
Melt Index ⁽³⁾	D 1238	0.85 g/10 min	
Density	D 792	0.913 g/cm ³	
		METRIC UNITS	ENGLISH UNITS

Film Properties⁽⁴⁾

Thickness		25 μm	1.0 mil
Tear Strength	MD D 1922	270 g	
	TD	600 g	
Dart Drop Impact, F ₅₀	D 1709/A	900 g	
Low Friction Puncture ⁽⁵⁾		98 J/mm	22 in-lb/mil
Tensile Strength	MD D 882	51 MPa	7,400 psi
	TD	57 MPa	8,300 psi
Yield Strength	MD D 882	9 MPa	1,200 psi
	TD	9 MPa	1,200 psi
Elongation	MD D 882	500 %	
	TD	730 %	
1% Secant Modulus	MD D 882	145 MPa	21,000 psi
	TD	160 MPa	23,200 psi
Haze	D 1003	6.5 %	
Gloss @ 45°	D 2457	65	

Melt Index 0.85

Density 0.913

Features

- Designed to deliver maximized output on high performance lines
- Outstanding melt strength for superior bubble stability
- High performance sealant
- Low haze
- Excellent seal properties
- Low gel

Common Additives

- Processing antioxidant

- (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.
 (5) NOVA Chemicals test method.



SURPASS VP_sK914 Series Resin

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Availability

SURPASS VP_sK914 Series 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 VP_sK914 Series 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.



4 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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