

SURPASS® HPs667-AB

High Density Polyethylene

NOVA Chemicals

Message:

SURPASS®HPs667-AB is a high density polyethylene material. This product is available in North America and is processed by film extrusion or co-extrusion.

SURPASS®The main features of the HPs667-AB are:

High stiffness

Homopolymer

Antioxidants

accessible food

Typical application areas include:

packing

Movie

food contact applications

General Information	
Additive	Antioxidation
Features	Low speed solidification crystal point
	Rigidity, high
	High density
	Homopolymer
	Antioxidation
	Compliance of Food Exposure
Uses	Barrier resin
	Films
Agency Ratings	Food packaging
	FDA 21 CFR 177.1520(c) 2.2
Processing Method	Film extrusion
	Co-extrusion molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.968	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	6.0	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	50	µm	
secant modulus			ASTM D882
1% secant, MD: 50 µm, blown film	1050	MPa	ASTM D882
1% secant, TD: 50 µm, blown film	1250	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield, 50 µm, blown film	25.0	MPa	ASTM D882

TD: Yield, 50 µm, blown film	24.0	MPa	ASTM D882
Elmendorf Tear Strength			ASTM D1922
MD: 50 µm, blown film	40	g	ASTM D1922
TD: 50 µm, blown film	70	g	ASTM D1922
Oxygen Transmission Rate (23°C, 0% RH, 50 µm)	700	cm ³ /m ² /24 hr	ASTM D3985
Water Vapor Transmission Rate (38°C, 100% RH, 50 µm, Blown Film)	1.2	g/m ² /24 hr	ASTM F1249
Additional Information	Nominal Value	Unit	Test Method
Low Friction Puncture ¹ (50.0 µm)	150	J/cm	Internal method
NOTE			
1.	Blown Film		

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Recommended distributors for this material

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