

SURPASS® HPs167-AB

High Density Polyethylene

NOVA Chemicals

Message:

SURPASS® HPs167-AB is a High Density Polyethylene material. It is available in North America for coextrusion or film extrusion.

Important attributes of SURPASS® HPs167-AB are:

Antioxidant

Food Contact Acceptable

High Stiffness

Homopolymer

Typical applications include:

Film

Food Contact Applications

Packaging

General Information	
Additive	Antioxidant
Features	Antioxidant
	Barrier Resin
	Food Contact Acceptable
	High Density
	High Stiffness
	Homopolymer
Uses	Low Gel
	Film
	Food Packaging
Agency Ratings	FDA 21 CFR 177.1520(c) 2.2
Processing Method	Coextrusion
	Film Extrusion

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.966	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.2	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	38	µm	
Secant Modulus			ASTM D882
1% Secant, MD : 38 µm, Blown Film	1100	MPa	
1% Secant, TD : 38 µm, Blown Film	1340	MPa	
Tensile Strength			ASTM D882
MD : Yield,38 µm, Blown Film	27.0	MPa	

TD : Yield,38 μm, Blown Film	25.0	MPa	
Elmendorf Tear Strength			ASTM D1922
MD : 38 μm, Blown Film	22	g	
TD : 38 μm, Blown Film	230	g	
Oxygen Transmission Rate (23°C, 0% RH)	470	cm ³ /m ² /24 hr	ASTM D3985
Water Vapor Transmission Rate (38°C, 100% RH)	1.1	g·mm/m ² /atm/24 hr	ASTM F1249
Additional Information	Nominal Value	Unit	Test Method
Low Friction Puncture ¹ (38.0 μm)	190	J/cm	Internal Method
NOTE			
1.	Blown Film		

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Recommended distributors for this material

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