SURPASS® HPs900-C

Linear Low Density Polyethylene

NOVA Chemicals

Message:

SURPASS® HPs900-C is a Linear Low Density Polyethylene material. It is available in North America for coextrusion or film extrusion.
Important attributes of SURPASS® HPs900-C are:
Antioxidant
Clarity
Food Contact Acceptable
Good Processability
High Gloss
Typical applications include:
Coating Applications
Film
Food Contact Applications

General Information	
Additive	Antioxidant
	Processing Aid
Features	Antioxidant
	Food Contact Acceptable
	Good Processability
	High Clarity
	High Gloss
	Low Density
	Low Gel
	Octene Comonomer
Uses	Film
	Laminates
Agency Ratings	FDA 21 CFR 177.1520(c) 3.2a
Forms	Pellets
Processing Method	Coextrusion
	Film Extrusion

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.917	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0	g/10 min	ASTM D1238
Films	**Nominal Value**	**Unit**	**Test Method**
Film Thickness - Tested	25	µm	
Secant Modulus			ASTM D882

1% Secant, MD : 25 µm, Blown Film	135	MPa	
1% Secant, TD : 25 µm, Blown Film	155	MPa	
Tensile Strength			ASTM D882
MD : Yield,25 µm, Blown Film	9.00	MPa	
TD : Yield,25 µm, Blown Film	9.00	MPa	
MD : Break, 25 µm,Blown Film	49.0	MPa	
TD : Break, 25 µm,Blown Film	43.0	MPa	
Tensile Elongation			ASTM D882
MD : Break, 25 µm,Blown Film	520	%	
TD : Break, 25 µm,Blown Film	750	%	
Dart Drop Impact (25 µm, Blown Film)	460	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 25 µm, Blown Film	280	g	
TD : 25 µm, Blown Film	450	g	
Seal Initiation Temperature (25 µm, Blown Film)	100	°C	

Optical	Nominal Value	Unit	Test Method
Gloss (45°, 25.0 µm, Blown Film)	79		ASTM D2457
Haze (25.0 µm, Blown Film)	4.0	%	ASTM D1003

Additional Information	Nominal Value	Unit	Test Method
Low Friction Puncture - Blown Film (25.0 µm)	840	J/cm	Internal Method

Recommended distributors for this material

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