

# SURPASS® FPs236-A

High Density Polyethylene

NOVA Chemicals

Message:

SURPASS® FPs236-A is a High Density Polyethylene material. It is available in North America for cast film or coextruded film.

Important attributes of SURPASS® FPs236-A are:

Antioxidant

Food Contact Acceptable

Good Aesthetics

Typical applications include:

Coating Applications

Film

Food Contact Applications

General Information	
Additive	Antioxidant
Features	Antioxidant
	Food Contact Acceptable
	Low Gel
	Medium Density
	Opticals
Uses	Cast Film
	Laminates
Agency Ratings	FDA 21 CFR 177.1520(c) 3.2a
Processing Method	Cast Film
	Coextruded Film

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.936	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.6	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, Cast Film	300	MPa	
1% Secant, TD : 25 µm, Cast Film	370	MPa	
Tensile Strength			ASTM D882
MD : Yield,25 µm, Cast Film	14.2	MPa	
TD : Yield,25 µm, Cast Film	15.1	MPa	
MD : Break, 25 µm,Cast Film	45.0	MPa	
TD : Break, 25 µm,Cast Film	35.0	MPa	

Tensile Elongation			ASTM D882
MD : Break, 25 $\mu$ m,Cast Film	600	%	
TD : Break, 25 $\mu$ m,Cast Film	900	%	
Dart Drop Impact (25 $\mu$ m, Cast Film)	40	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 25 $\mu$ m, Cast Film	40	g	
TD : 25 $\mu$ m, Cast Film	350	g	
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 25.0 $\mu$ m, Cast Film)	80		ASTM D2457
Haze (25.0 $\mu$ m, Cast Film)	5.0	%	ASTM D1003
Additional Information	Nominal Value	Unit	Test Method
Low Friction Puncture <sup>1</sup> (25.0 $\mu$ m)	240	J/cm	Internal Method
NOTE			

1. Cast Film

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#### Recommended distributors for this material

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