SURPASS® FPs116-CX

Linear Low Density Polyethylene

NOVA Chemicals

Message:

SURPASS®FPs116-CX is a linear low 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 FPs116-CX are:
Good processability
processing aids
Antioxidants
Good tear strength
Good toughness
Typical application areas include:
Movie
application of coating

General Information	
Additive	Processing aid Antioxidation
Features	Low speed solidification crystal point Antioxidation Workability, good Good tear strength Good toughness Octene comonomer
Uses	Films Laminate
Processing Method	Film extrusion Co-extrusion molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.916	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.85	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	139	MPa	ASTM D882
1% secant, TD: 25 µm, blown film	162	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield, 25 µm, blown film	9.00	MPa	ASTM D882

TD: Yield, 25 µm, blown film	9.00	MPa	ASTM D882
MD: Broken, 25 µm, blown film	47.0	MPa	ASTM D882
TD: Broken, 25 µm, blown film	26.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Broken, 25 µm, blown film	480	%	ASTM D882
TD: Broken, 25 µm, blown film	610	%	ASTM D882
Dart Drop Impact (25 µm, Blown Film)	710	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD: 25 µm, blown film	260	g	ASTM D1922
TD: 25 µm, blown film	490	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 25.0 µm, Blown Film)	37		ASTM D2457
Haze (25.0 µm, Blown Film)	4.0	%	ASTM D1003
Additional Information	Nominal Value	Unit	Test Method
Low Friction Puncture [1] (25.0 µm)	690	J/cm	Internal method
NOTE			
1.	Blown Film		

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China