Eltex® PF6212LA

Metallocene Linear Low Density Polyethylene

INEOS Olefins & Polymers Europe

Message:

Eltex® PF6212LA is a metallocene LLDPE grade produced in Europe
Benefits & Features
Eltex® PF6212LA is a polyethylene copolymer containing hexene-1 as the comonomer produced with a metallocene catalyst. It offers the following properties:
Extremely high impact strength
Excellent optical properties
Very good bubble stability and extrudability
Low temperature sealing characteristics
Applications
Eltex® PF6212LA has been developed for use in food packaging and other thin film applications where excellent mechanical and optical performance is required. In addition, Eltex® PF6212LA is a version intended for lamination applications.
If corona treatment is necessary, the level should normally be in the range 38-48 mN/m.

General Information	
Additive	Antioxidant
Features	Antioxidant
	Copolymer
	Food Contact Acceptable
	Good Processability
	Hexene Comonomer
	High Impact Resistance
	Low Density
	Low Temperature Heat Sealability
	Opticals
Uses	Film
	Food Packaging
	Laminates
RoHS Compliance	Contact Manufacturer
Processing Method	Film Extrusion
	Laminating

Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.919	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.3	g/10 min	ISO 1133
Films	**Nominal Value**	**Unit**	**Test Method**
Film Thickness - Tested	25	µm	
Tensile Modulus			ISO 527-3

1% Secant, MD : 25 µm	180	MPa	
1% Secant, TD : 25 µm	200	MPa	
Tensile Stress			ISO 527-3
MD : Yield, 25 µm	9.00	MPa	
TD : Yield, 25 µm	10.0	MPa	
MD : Break, 25 µm	65.0	MPa	
TD : Break, 25 µm	60.0	MPa	
Tensile Elongation			ISO 527-3
MD : Break, 25 µm	550	%	
TD : Break, 25 µm	670	%	
Dart Drop Impact (25 µm)	> 1000	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 25 µm	200	g	
TD : 25 µm	440	g	
Thermal	Nominal Value	Unit	Test Method
Peak Melting Temperature [1]	105 to 118	°C	ASTM D3418
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 25.0 µm)	65		ASTM D2457
Haze (25.0 µm)	7.0	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	190 to 230	°C	
NOTE			
1.	2nd heating		

Recommended distributors for this material

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