Eltex® PF6212AA

Metallocene Linear Low Density Polyethylene

INEOS Olefins & Polymers Europe

Message:

Eltex® PF6212AA is a metallocene LLDPE grade produced in Europe
Benefits & Features
Eltex® PF6212AA 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® PF6212AA has been developed for use in food packaging and other thin film applications where excellent mechanical and optical performance is required. For more demanding applications such as lamination and temporary surface protection, we recommend to use Eltex® PF6212LA
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		
RoHS Compliance	Contact Manufacturer		
Forms	Pellets		
Processing Method	Film Extrusion		
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

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

WECHAT