

Eltex® PF6220AA

Metallocene Linear Low Density Polyethylene

INEOS Olefins & Polymers Europe

Message:

Benefits & Features

Eltex® PF6220AA is a polyethylene copolymer containing hexene-1 as the comonomer produced with a metallocene catalyst. It offers the following properties:

- High impact strength and rigidity
- Excellent optical properties
- Very good bubble stability and extrudability similar to the best LLDPE blown film grades
- Low temperature sealing characteristics

Applications

Eltex® PF6220AA has been developed for use in collation shrinkwrap, food packaging and other thin film applications where an excellent balance between film strength and rigidity is required together with good optical properties. In addition, Eltex® PF6220AA offers easy extrudability. If corona treatment is necessary, the level should 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		
	High Rigidity		
	Low Density		
	Low Temperature Heat Sealability		
	Opticals		
Uses	Film		
	Food Packaging		
	Shrink Wrap		
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)	2.1	g/10 min	ISO 1133
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	25	µm	ISO 527-3
Tensile Modulus			
1% Secant, MD : 25 µm	160	MPa	

1% Secant, TD : 25 μm	195	MPa	
Tensile Stress			ISO 527-3
MD : Yield, 25 μm	9.00	MPa	
TD : Yield, 25 μm	10.0	MPa	
MD : Break, 25 μm	60.0	MPa	
TD : Break, 25 μm	60.0	MPa	
Tensile Elongation			ISO 527-3
MD : Break, 25 μm	620	%	
TD : Break, 25 μm	700	%	
Dart Drop Impact (25 μm)	1000	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 25 μm	220	g	
TD : 25 μm	450	g	
Thermal	Nominal Value	Unit	Test Method
Peak Melting Temperature ¹	104 to 116	°C	ASTM D3418
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 25.0 μm)	60		ASTM D2457
Haze (25.0 μm)	8.0	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	190 to 230	°C	
NOTE			

1. 2nd heating

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