Eltex® PF6220AE

Metallocene Linear Low Density Polyethylene

INEOS Olefins & Polymers Europe

Message:

Eltex® PF6220AE has been developed for use in food packaging and other thin film applications where excellent mechanical and optical performance is required. In addition, Eltex® PF6220AE offers easy extrudability.
Benefits and Features
Eltex® PF6220AE 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 similar to best LLDPE blown film grades
Low temperature sealing characteristics
Eltex® PF6220AE contains a processing aid and antioxidants.
We recommend that you consult your INEOS technical representative for further advice on the use of Eltex® PF6220AE.

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

Physical	Nominal Value	Unit	Test Method
Density [1]	0.920	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	g/10 min	ISO 1133

Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	25	µm	
Tensile Modulus			ISO 1184
1% Secant, MD : 25 µm	160	MPa	
1% Secant, TD : 25 µm	195	MPa	
Tensile Stress			ISO 1184
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 1184
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	
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.	Conditioning ISO 1872/1		

Recommended distributors for this material

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