Eltex® PF6612AA

Metallocene Linear Low Density Polyethylene

INEOS Olefins & Polymers Europe

Message:

Eltex® PF6612AA is a metallocene LLDPE grade produced in Europe.
Benefits & Features
Eltex® PF6612AA 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
Low temperature sealing characteristics
Applications
Eltex® PF6612AA 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® PF6612AA offers easy extrudability.
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 High Rigidity Low Density Low Temperature Heat Sealability Opticals		
Uses	Film Food Packaging Shrink Wrap		
Forms	Pellets		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density (23°C)	0.926	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	230	MPa	
1% Secant, TD : 25 µm	270	MPa	

Tensile Stress			ISO 527-3
MD : Yield, 25 µm	13.0	MPa	
TD : Yield, 25 µm	13.0	MPa	
MD : Break, 25 µm	55.0	MPa	
TD : Break, 25 µm	50.0	MPa	
Tensile Elongation			ISO 527-3
MD : Break, 25 µm	570	%	
TD : Break, 25 µm	690	%	
Dart Drop Impact (25 µm)	200	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 25 µm	160	g	
TD : 25 µm	560	g	
Thermal	Nominal Value	Unit	Test Method
Peak Melting Temperature [1]	120	°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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