Eltex® PF6612KJ

Metallocene Linear Low Density Polyethylene

INEOS Olefins & Polymers Europe

Message:

Eltex® PF6612KJ is a metallocene LLDPE grade produced in Europe.
Benefits & Features
Eltex® PF6612KJ 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
Eltex® PF6612KJ offers high slip film with easy opening properties. Addition of other polymers, masterbatch and pigments may alter film slip and antiblock performance
Applications
Eltex® PF6612KJ 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® PF6612KJ offers easy extrudability.

General Information	
Additive	Antiblock (300 ppm) 2 Antioxidant Erucamide Slip (1000 ppm)
Features	Antiblocking Antioxidant Copolymer Food Contact Acceptable Good Processability Hexene Comonomer High Impact Resistance High Rigidity Low Density Low Temperature Heat Sealability Opticals Slip
Uses	Film Food Packaging Shrink Wrap
Forms	Pellets

Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.927	g/cm³	ISO 1183

Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.3	g/10 min	ISO 1133
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Coefficient of Friction	< 0.30		ASTM D1894
Films	**Nominal Value**	**Unit**	**Test Method**
Film Thickness - Tested	25	µm	
Tensile Modulus			ISO 527-3
MD : 25 µm	230	MPa	
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		

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