Eltex® PF6212KJ

Metallocene Linear Low Density Polyethylene

INEOS Olefins & Polymers Europe

Message:

Eltex® PF6212KJ is a metallocene LLDPE grade produced in Europe
Benefits & Features
Eltex® PF6212KJ 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® PF6212KJ 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® PF6212LJ
If corona treatment is necessary, the level should normally be in the range 38-48 mN/m.

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 Low Density Low Temperature Heat Sealability Opticals Slip
Uses	Film Food Packaging
RoHS Compliance	Contact Manufacturer
Forms	Pellets
Processing Method	Film Extrusion

Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.920	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	< 0.25		ASTM D1894
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)	62		ASTM D2457
Haze (25.0 µm)	8.0	%	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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