

# Eltex® PF6912AA

Metallocene Linear Low Density Polyethylene

INEOS Olefins & Polymers Europe

## Message:

Eltex® PF6912AA is a metallocene LLDPE resin produced in Europe

### Benefits & Features

Eltex® PF6912AA is a polyethylene copolymer containing hexene-1 as the comonomer produced with a metallocene catalyst. It offers the following properties:

- High stiffness
- Superior creep resistance
- Excellent balance between impact resistance and rigidity
- Very good bubble stability and easy extrudability during blown film extrusion
- Good optical properties
- Very low blocking
- Eltex® PF6912AA is formulated with antioxidants.

### Applications

Eltex® PF6912AA has been developed for use in coextruded blown film structures particularly suitable for food packaging, hygiene or industrial applications. Its unique balance between stiffness, toughness and optical properties makes it the material of choice for the most advanced film compositions with an optimum thickness reduction.

General Information			
Additive	Antioxidation		
Features	Low density		
	Rigidity, high		
	Copolymer		
	Optical		
	hexene comonomer		
	Antioxidation		
	Workability, good		
	Good creep resistance		
	Compliance of Food Exposure		
Uses	Blown Film		
	Hygiene		
	Films		
	Industrial application		
	Food packaging		
RoHS Compliance	Contact manufacturer		
Forms	Particle		
Processing Method	Blow film		
	Co-extrusion molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.936	g/cm³	ISO 1183

Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.2	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, blown film	400	MPa	ISO 527-3
1% secant, TD: 25 μm, blown film	450	MPa	ISO 527-3
Tensile Stress			ISO 527-3
MD: Yield, 25 μm, blown film	19.0	MPa	ISO 527-3
TD: Yield, 25 μm, blown film	20.0	MPa	ISO 527-3
MD: Broken, 25 μm, blown film	60.0	MPa	ISO 527-3
TD: Broken, 25 μm, blown film	51.0	MPa	ISO 527-3
Tensile Elongation			ISO 527-3
MD: Broken, 25 μm, blown film	670	%	ISO 527-3
TD: Broken, 25 μm, blown film	770	%	ISO 527-3
Dart Drop Impact (25 μm, Blown Film)	110	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD: 25 μm, blown film	50	g	ASTM D1922
TD: 25 μm, blown film	490	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 25.0 μm, Blown Film)	57		ASTM D2457
Haze (25.0 μm, Blown Film)	11	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	190 - 230	°C	

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