

# Eltex® PF6112AA

Metallocene Linear Low Density Polyethylene

INEOS Olefins & Polymers Europe

## Message:

Eltex® PF6112AA is a metallocene LLDPE resin produced in Europe.

### Benefits and Features

Eltex® PF6112AA is a polyethylene copolymer containing hexene-1 as the comonomer produced with a metallocene catalyst. It is a very high toughness material offering the following properties:

- Unrivalled impact strength
- Excellent puncture resistance
- Superior optical properties
- Very good bubble stability and extrudability similar to the best LLDPE blown film grades
- Low temperature sealing characteristics

### Applications

Eltex® PF6112AA has been developed for use in food packaging and other thin film applications where superior mechanical and optical performance is required. It is also particularly suitable for relatively thick film applications requiring superior mechanical strength and easy sealing like liners for containers and silos. In addition, Eltex® PF6112AA offers easy extrudability.

In multilayer films, Eltex® PF6112AA can be used neat or as a blending partner with LLDPE or LDPE.

General Information	
Additive	Antioxidation
Features	Ultra-high impact resistance
	Ultra high toughness
	Low density
	Low temperature heat sealability
	Copolymer
	Optical
	hexene comonomer
	Perforation resistance
	Antioxidation
	Workability, good
	Compliance of Food Exposure
Uses	Films
	Lining
	Multilayer film
	Mixing
	Food packaging
RoHS Compliance	Contact manufacturer
Forms	Particle
Processing Method	Film extrusion
	Extrusion

Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.916	g/cm <sup>3</sup>	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, blown film	155	MPa	ISO 527-3
1% secant, TD: 25 μm, blown film	160	MPa	ISO 527-3
Tensile Stress			ISO 527-3
MD: Yield, 25 μm, blown film	10.0	MPa	ISO 527-3
TD: Yield, 25 μm, blown film	10.0	MPa	ISO 527-3
MD: Broken, 25 μm, blown film	65.0	MPa	ISO 527-3
TD: Broken, 25 μm, blown film	60.0	MPa	ISO 527-3
Tensile Elongation			ISO 527-3
MD: Broken, 25 μm, blown film	590	%	ISO 527-3
TD: Broken, 25 μm, blown film	660	%	ISO 527-3
Dart Drop Impact (25 μm, Blown Film)	> 1700	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD: 25 μm, blown film	220	g	ASTM D1922
TD: 25 μm, blown film	420	g	ASTM D1922
Thermal	Nominal Value	Unit	Test Method
Melting Temperature (DSC)	101 - 116	°C	Internal method
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 25.0 μm, Blown Film)	70		ASTM D2457
Haze (25.0 μm, Blown Film)	5.0	%	ASTM D1003

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT