



# Eltex<sup>®</sup> PF6130LA

## Product Technical Information Applications

Eltex<sup>®</sup> PF6130LA is particularly suitable for high performance cast stretch film applications, in both monolayer and co-extruded structures. It is designed for applications which require a very low level of gels. It also can be used for the production of artificial grass monofilaments.

## Benefits and Features

Eltex<sup>®</sup> PF6130LA is a polyethylene copolymer containing hexene-1 as the comonomer produced with a metallocene catalyst.

Eltex<sup>®</sup> PF6130LA offers the following properties:

- High stretchability in cast film applications
- High holding force
- Good web stability during extrusion
- High output rates
- Excellent overall film appearance and surface finish
- Low level of gels
- Very high puncture resistance

We recommend that you consult your INEOS technical representative for further advice on the use of Eltex<sup>®</sup> PF6130LA.

Properties		Test Method	Value	Units
<b>Physical</b>				
Melt flow rate		ISO 1133-1	3.5	g/10 min
Conventional Density		ISO 1183-1 & ISO 1872-1	918	kg/m <sup>3</sup>
Additives: antioxidants				
<b>Film*</b>				
Dart drop impact	Method A	ASTM D1709	600	g
Puncture resistance		INEOS method	28	Ncm/μ
Tensile stress @ break	MD/TD	ISO 1184	40/20	MPa
Elongation @ break	MD/TD	ISO 1184	300/400	%
1% Secant modulus	MD/TD	ISO 1184	115/120	MPa
Elmendorf tear strength	MD/TD	ASTM D1922	260/430	g/25 μm
Haze		ASTM D1003	1	%
Gloss (45°)		ASTM D2457	93	%

- Data should not be used for specification work

\* 20 μm film, 230°C melt temperature - MD = machine direction, TD = transverse direction



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## **Extrusion conditions**

Eltex<sup>®</sup> PF6130LA should be processed on machinery purpose designed for LLDPE. The product is well stabilized, melt temperatures in the range 230 - 280°C can be used.

## **Storage**

The product should be stored in a dry and dust free environment at temperature below 50°C. Exposure to direct sunlight should be avoided as this may lead to product deterioration. It is advised to process the product within maximum one year after delivery.