



# 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<br>& 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      | % <sub>00</sub>   |

- 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.

## Regulatory Information

The product and uses described herein may require global product registrations and notifications for chemical inventory listings, or for use in food contact or medical devices. For further information, send an email to [psnohreg@ineos.com](mailto:psnohreg@ineos.com). Unless specifically indicated, the products mentioned herein are not suitable for applications in the medical or pharmaceutical sector.

## Health and Safety Information

The product described herein may require precautions in handling. The available product health and safety information for this material is contained in the Material Safety Data Sheet (MSDS) that may be obtained from the website [www.ineospolyolefins.com](http://www.ineospolyolefins.com). Before using any material, a customer is advised to consult the MSDS for the product under consideration for use.

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