ELTEX® PF6030XA

Product Technical Information

ELTEX® PF6030XA is a polyethylene copolymer containing hexene-1 as comonomer produced with a metallocene catalyst.

Benefits & Features

ELTEX® PF6030XA offers the following properties:

- High stretchability in cast film applications
- High holding force
- Excellent web stability during extrusion
- High output rates
- Excellent overall film appearance and surface finish
- Very high puncture resistance
- Superior sealing performance

Applications

ELTEX® PF6030XA is particularly suitable for high performance cast stretch film applications in co-extruded structures as well as for other advanced polyolefin films produced with cast extrusion process.

We recommend that you consult your INEOS technical representative for further advice on the use of **ELTEX® PF6030XA.**

Properties	Conditions	Test Methods	Values	Units
Rheological				
Melt Flow Rate	190°C/2.16kg	ISO 1133-1	3.5	g/10min
Physical				
Density	23°C ISO17855-2	ISO 1183-1	911	kg/m³
Mechanical*				
Dart drop impact Method A		ASTM D 1709	>800	g
Puncture Resistance, energy		INEOS Test Method	6.8	J
Tensile strength at break MD/TD		ISO 527-3	42/32	MPa
Tensile strain at break MD/TD		ISO 527-3	280/400	%
1% Secant modulus MD/TD		ISO 527-3	105/100	MPa
Elmendorf tear strength MD/TD		ASTM D 1922	270/400	g/25mm
Optical*				
Haze	20µm	ASTM D 1003	1	%
Gloss	45°	ASTM D 2457	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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Manufacturer website: https://www.ineos.com/businesses/ineos-olefins-polymers/

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Processing guidelines

ELTEX® PF6030XA 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 be subject to specific requirements or limitations for use in certain applications like food contact, drinking water or medical devices. Further information may be obtained from the website www.ineos.com where a specific Regulatory Certificate is available for each grade under the heading "SDS & Regulatory Certificate".

Unless specifically indicated, the product mentioned herein is not suitable for applications in the medical or pharmaceutical sectors.

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 Safety Data Sheet (SDS) that may be obtained from the website www.ineos.com. Before using any material, a customer is advised to consult the SDS for the product under consideration for use.

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