



Eltex[®] HD6009FA

Product Technical Information

Eltex[®] HD6009FA is a high density polyethylene. It is a homopolymer with a narrow molecular weight distribution primarily intended for the extrusion of high rigidity films.

Applications

- High rigidity films
- Machine Direction Oriented films
- Cereal liners film
- Injection moulding
- Blow-moulding for food packaging

Benefits and Features

- High stiffness
- Suitable for orientation
- Very low gel content
- Superior processability & surface quality
- Very low MVTR (Moisture Vapour Transmission Rate)

Properties	Conditions	Test Method	Value	Units
Physical				
Density	23°C	ISO 1183/A	960	kg/m ³
Melt Flow Rate	190°C/2.16 kg	ISO 1133	0.9	g/10 min
Melt Flow Rate	190°C/5 kg	ISO 1133	2.8	g/10 min
Melt Flow Rate	190°C/21.6 kg	ISO 1133	36	g/10 min
Apparent dynamic viscosity	190°C and 100 s ⁻¹	INEOS Test Method	1700	Pa.s
Thermal				
Melting point	DSC-2 nd heating	ISO 11357-3	136	°C



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Mechanical and Optical*

1 % Secant Modulus	MD/TD**	ISO 527-3	1120/1460	MPa
Tensile strength at yield	MD/TD**	ISO 527-3	35/40	MPa
Haze		ASTM D1003	19	%
Gloss	45°	ASTM D2457	46	%

Data should not be used for specification work

* 30 µm blown film extruded on a W&H 3 layer line; BUR 2.5:1; 200°C Melt temperature

** MD: Machine direction; TD: Transverse direction

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. 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. Before using any material, a customer is advised to consult the MSDS for the product under consideration for use.

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