Manufacturer website: https://www.ineos.com/businesses/ineos-olefins-polymers/

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.**

Benefits & Features

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

Applications

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

Properties	Conditions	Test Methods	Values	Units
Rheological				
Melt Flow Rate	190°C/2.16kg	ISO 1133-1	0.9	g/10min
Melt Flow Rate	190°C/5 kg	ISO 1133-1	2.8	g/10 min
Melt Flow Rate	190°C/21.6 kg	ISO 1133-1	36	g/10 min
Apparent dynamic viscosity	190°C and 100 s-1	INEOS Test Method	1700	Pa.s
Physical				
Density ISO 17855-1	23°C	ISO 1183-1	960	kg/m³
Mechanical				
1 % Secant Modulus	MD/TD**	ISO 527-3	1120/1460	MPa
Tensile Strength at Yield	MD/TD**	ISO 527-1,-2	35/40	MPa
Thermal				
Melting Temperature	Peak T°, 2nd heating 10°C/min	ISO 11357-3	136	°C
Optical*				
Haze		ASTM D1003	19	%
Gloss	45°	ASTM D2457	46	GU
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

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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.

Exclusion of Liability

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