



ELTEX[®] HD5508FT

Product Technical Information

ELTEX[®] HD5508FT is a high density polyethylene. It is a copolymer with a narrow molecular weight distribution primarily intended for the extrusion of high rigidity films and contains no technical additives. It is thus particularly appreciated by users wishing to use their own "formulas". Its stabilisation package has been especially designed for metallisable film applications. In absence of calcium stearate, the use of a broader die gap is recommended to optimize the film quality.

Applications

- High rigidity films
- Metallisation
- Machine Direction Oriented films
- Blow-moulding for food packaging

Benefits and Features

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

Properties	Conditions	Test Methods	Values	Units
Physical				
Density	23°C	ISO 1183-1 & ISO 1872-1	955	kg/m ³
Melt Flow Rate	190°C/2.16 kg	ISO 1133-1	0.8	g/10min
Mechanical				
1 % Secant Modulus	MD/TD**	ISO 527-3	900/1000	MPa
Tensile strength at yield	MD/TD**	ISO 527-1, -2	30/30	MPa
Optical*				
Haze		ASTM D1003	15	%
Gloss	45°	ASTM D2457	50	%
Thermal				
Melting temperature	Peak T°, 2nd heating	ASTM D3418	135	°C
Vicat Softening Temperature	A50 (10N, 50°C/h)	ISO 306	129	°C

Data should not be used for specification work

* 25 µm blown film extruded on a CMG monolayer line; die gap 2.2 ; 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 del

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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