LL6930AA

Product Technical Information

LL6930AA is a linear low density polyethylene copolymer containing hexene (C6) as the co-monomer.

Benefits & Features

- Very high stiffness
- Excellent overall film appearance and surface finish
- Good balance between stiffness and puncture resistance

Applications

LL6930AA is a high rigidity cast film grade suitable as an anti-cling layer in co-extruded stretch-film structures and for hygienic film.

If corona treatment is necessary, the level should normally be in the range 38-48 mN/m.
We recommend that you consult your INEOS O&P Europe technical representative for further advice on the use of **LL6930AA**.

Properties	Conditions	Test Methods	Values	Units
Rheological				
Melt Flow Rate	190°C/2.16kg	ISO 1133-1	3.5	g/10min
Physical				
Density ISO 17855-1	23°C	ISO 1183-1	936	kg/m³
Mechanical*				
Dart drop impact Method A		ASTM D 1709	50	g
Tensile strain at break		ISO 527-3	55	MPa
Elongation at break		ISO 1184	600	%
1% Secant modulus		ISO 1184	300	MPa
Elmendorf tear strength MD/TD	40°C	ASTM D 1922	30/40	g/25µm
Optical*				
Haze		ASTM D 1003	5	%
Gloss	45°	ASTM D 2457	80	‰
Additives				
Antioxidants				

Data should not be used for specification work

*20µm film, 150m/min line speed, 260°C melt temperature - MD = machine direction TD = transverse direction

Extrusion conditions

LL6930AA can be processed on most standard extrusion equipment. Optimisation may be required depending on the exact end use requirements.

For best cast film performance, **LL6930AA** should be processed on machinery purpose designed for LLDPE. Particular attention should be paid to controlling melt temperature, and to ensuring that casting conditions are optimal. Melt temperatures in the range 240 - 280°C are normally used.

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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.

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