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

LL6430AA

Product Technical Information

LLDPE for film products

Applications

LL6430AA is suitable for high performance cast stretch film applications, in particular as an anticling layer in co-extruded structures and in core layer where higher stiffness is required.

Characteristics

LL6430AA is a linear low density polyethylene copolymer containing hexene-1 as the co-monomer. It offers the following properties:

- High output rates
- Excellent overall film appearance and surface finish
- Good balance between stiffness and puncture resistance

We recommend that you consult your INEOS O&P Europe technical representative for further advice on the use of LL6430AA..

Properties		Test Methods	Values	Units
Physical				
Melt Flow Rate		ISO 1133 Condition 4	3.2	g/10min
Density (conditioning ISO 1872/1)		ISO 1183 Method D	926	kg/m³
Additives: antioxidants				
Film*				
Dart drop impact	Method A	ASTM D1709	100	g
Tensile stress @ break	MD/TD	ISO 0527	40	MPa
Elongation @ break	MD/TD	ISO 1184	600	%
1% Secant Modulus	MD/TD	ISO 1184	180	MPa
Elmendorf tear strength	MD/TD	ASTM D1922	195/600	g/25 µm
Haze		ASTM D1003	3	%
Gloss (45°)		ASTM D2457	85	‰

- Data should not be used for specification work

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

November, 2009

Published by

INEOS Olefins & Polymers Europe

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

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

LL6430AA

Extrusion conditions

LL6430AA can be processed on most standard extrusion equipment. Optimisation may be required depending on the exact end use requirements.

For best cast film performance, LL6430AA 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.

Storage

LL6430AA should be stored in a dry and dust free environment at temperatures below 50°C. Exposure to direct sunlight should be avoided, as this may lead to product deterioration.

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.

Exclusion of Liability

Although INEOS O&P Europe endeavours to ensure that all information and advice relating to our materials or other materials howsoever provided to you by INEOS O&P Europe is accurate and up to date, no representation or warranty, express or implied is made by INEOS O&P Europe as to its accuracy or completeness. All such information and advice is provided in good faith and INEOS O&P Europe is not, to the maximum extent permitted by law, liable for any action you may take as a result of relying on such information or advice or for any loss or damage, including any consequential loss, suffered by you as a result of taking such action.

In addition data and numerical results howsoever provided to you by INEOS O&P Europe are given in good faith and are general in nature. Data and numerical results are not and shall not be regarded as specifications and as such INEOS O&P Europe is not, to the maximum extent permitted by law, liable for any action that you take as a result of relying on such data and results or for any loss or damage, including any consequential loss, suffered by you as a result of taking such action.

It remains at all times your responsibility to ensure that INEOS O&P Europe materials are suitable for the particular purpose intended and INEOS O&P Europe shall not be responsible for any loss or damage caused by misuse of INEOS O&P Europe products. To the maximum extent permitted by law, INEOS O&P Europe accepts no liability whatsoever arising out of the application, adaptation or processing of the products described herein, the use of other materials in lieu of INEOS O&P Europe materials or the use of INEOS O&P Europe materials in conjunction with such other materials.

November, 2009

Published by

INEOS Olefins & Polymers Europe

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