

INEOS

Olefins & Polymers Europe

Your partner in

EXTRUSION COATING

Goods that
make our life
convenient

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EXTRUSION COATING

Perfectly suited for liquid food packaging, photographic paper, flexible and commercial packaging

The extrusion coating market is a specialized market demanding for specific technical requirements. We are committed to working with our customers in order to continuously improve the performance of our resins.

Solutions to customers

- Homopolymer LDPE grades such as 19N430/19N430B demonstrate an excellent combination of properties including processability and adhesion up to line speeds of 650m/min.
- INEOS Olefins & Polymers Europe extended its product range with low to medium Ethylene-Methacrylic-Acid (EMAA) copolymers for demanding applications and adhesion. These grades are supplied into our key markets.
- We recommend that Metallocene LLDPE such as ELTEX® PF 1315AA be selected for applications which require excellent ESCR and/or improved mechanical or sealing properties.
- Our dedicated team of technical experts and a world-class laboratory extrusion coating line can support customers and maximise the performance of their machinery and technology with our grades.



INEOS Olefins & Polymers Europe has grown its position within the extrusion coating market, with special focus into new innovative products. Our 4 LDPE autoclave production lines, allow us to guarantee a secure and reliable supply from Europe to our worldwide customer base.

Low Density Polyethylene Homopolymers

LDPE is the most commonly used polymer in extrusion coating. Our broad LDPE product range for extrusion coating fulfils different requirements on processing and/or application.

You can choose between LDPE grades with excellent draw down ability (20P430) or with very low neck in (17L430). The wide range of LDPE grade densities offer different barrier and sealing properties and also influence the tendency for blocking.

Product name	MFR <i>190°C/2.16kg g/10min</i> ISO 1133	Density <i>kg/m³</i> ISO 1183 method D	DSC melting temperature <i>°C</i> INEOS method
23L430	4,1	924	112
23L430B	4,5	923	111
17L430	4,0	917	107
19N430	7,5	920	109
19N430B	7,5	920	109
20P430	8,8	920,5	109
18R430	15	918	107

Ethylene-Methacrylic-Acid Copolymers

The Ethylene-Methacrylic-Acid Copolymer (EMAA) grade range from INEOS Olefins & Polymers Europe low to medium MAA content, shows improved adhesion characteristics especially to aluminium foil or to metallized films. It can be used in mono- or co-extrusion at high line speeds or at low coating weights and has a similar processing window to LDPE.

Product name	MFR 190°C/2.16kg g/10min ISO 1133	Density kg/m ³ ISO 1183 method D	DSC melting temperature °C INEOS method
M21N430 1,2% MAA content	7.5	920*	108
M23N430 2,5% MAA content	7.5	923*	107
M24N430 3,8% MAA content	7.5	924*	105

*) indicative value

Metallocene Linear Low Density Polyethylene

The C₆ m-LLDPE grade range for extrusion coating with a basic antioxidant additive package shows an outstanding ESCR performance and improved sealing and mechanical properties compared to LDPE.

Product name	MFR 190°C/2.16kg g/10min ISO 1133	Density kg/m ³ ISO 1183 method D	DSC melting temperature °C INEOS method
Eltex[®] PF1315AA	15	914	96/114
Eltex[®] PF1320AA	20	913	96/114

Polypropylene

PP has high temperature and grease resistance properties and therefore it is commonly used in the pet food market or for microwave oven applications. Here we are offering a ready to use modified PP (Eltex® P HEY500) for mono- or co-extrusion and a homopolymer PP grade (100-GA35) which can be used in co-extrusion or in blends with LDPE.

Product name	MFR <i>230°C/2.16kg g/10min</i> ISO1133	Density <i>kg/m³</i> ISO 1183 method D	DSC melting temperature <i>°C</i> INEOS method
Eltex® P HEY500	24	910	161
100-GA35	35	–	161



High Density Polyethylene

Our HPDE grade with a very low gel level provides increased stiffness, higher gloss and lower tendency to blocking compared to LDPE. It can be used in blends for extrusion coating if a better WVTR, a higher temperature resistance and/or a better oil and grease resistance, is required.

Product name	MFR <i>190°C/2.16kg g/10min</i> ISO1133	Density <i>kg/m³</i> ISO 1183 method D	DSC melting temperature <i>°C</i> INEOS method
HD6070FA	7.6	960	132

INEOS is one of the world's largest chemical companies. Founded in 1998, the company employs 15,000 people and has turnover of around 47 billion US Dollars.

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INEOS Olefins & Polymers Europe is a business leading European producer of olefins and polyolefins.

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INEOS Olefins & Polymers Europe offers a full range of polymer products starting from LDPE, the most widely used thermoplastic for extrusion coating, low to medium Ethylene-Methacrylic-Acid Copolymer (EMAA), Metallocene LLDPE, HDPE and PP satisfying all our customer needs.



For any further information please contact us at IneosPofCSC@ineos.com

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