

INEOS

Olefins & Polymers Europe

Your partner in

**LDPE
INJECTION-
MOULDING**

Flexible solutions



INEOS

INEOS LDPE for injection moulding: when flexibility matters

INEOS Olefins & Polymers Europe



Low Density Polyethylene grades (LDPE) for Injection-Moulding and Compounding

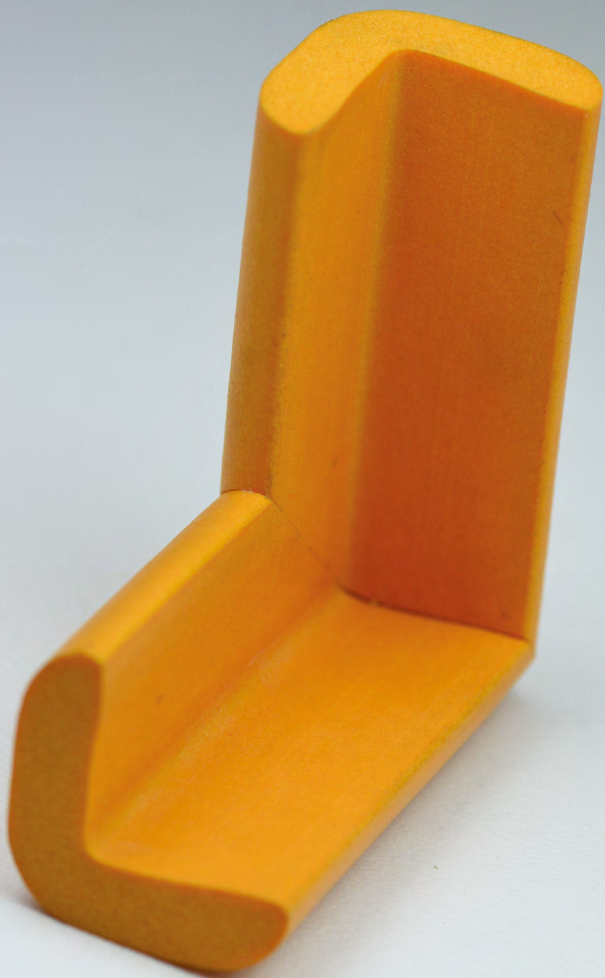
Product information

INEOS O&P Europe is offering a wide range of low density polyethylene grades suitable for the injection-moulding of caps & closures, food containers, soft tubes, technical parts as well as for the production of master-batches and compounds. These LDPE grades are available from our autoclave production plants located in Cologne (Germany) and Bamble (Norway).

Benefits and features

The LDPE grades, produced and commercialised by INEOS O&P Europe offer the following properties:

- / Excellent flexibility
- / Very good processability
- / Low melting temperature
- / Good transparency
- / High melt strength
- / Absence of any kind of additive (no anti-oxidant, no technical additive, no catalyst residue) allowing for the tailor formulation of very specific compounds and master-batches
- / Very wide range of fluidity (MFR from 4 up to 55 g/10 min) allowing for the moulding of thin walled parts and packaging items as well as the high loading of active ingredients in compounds or master-batches

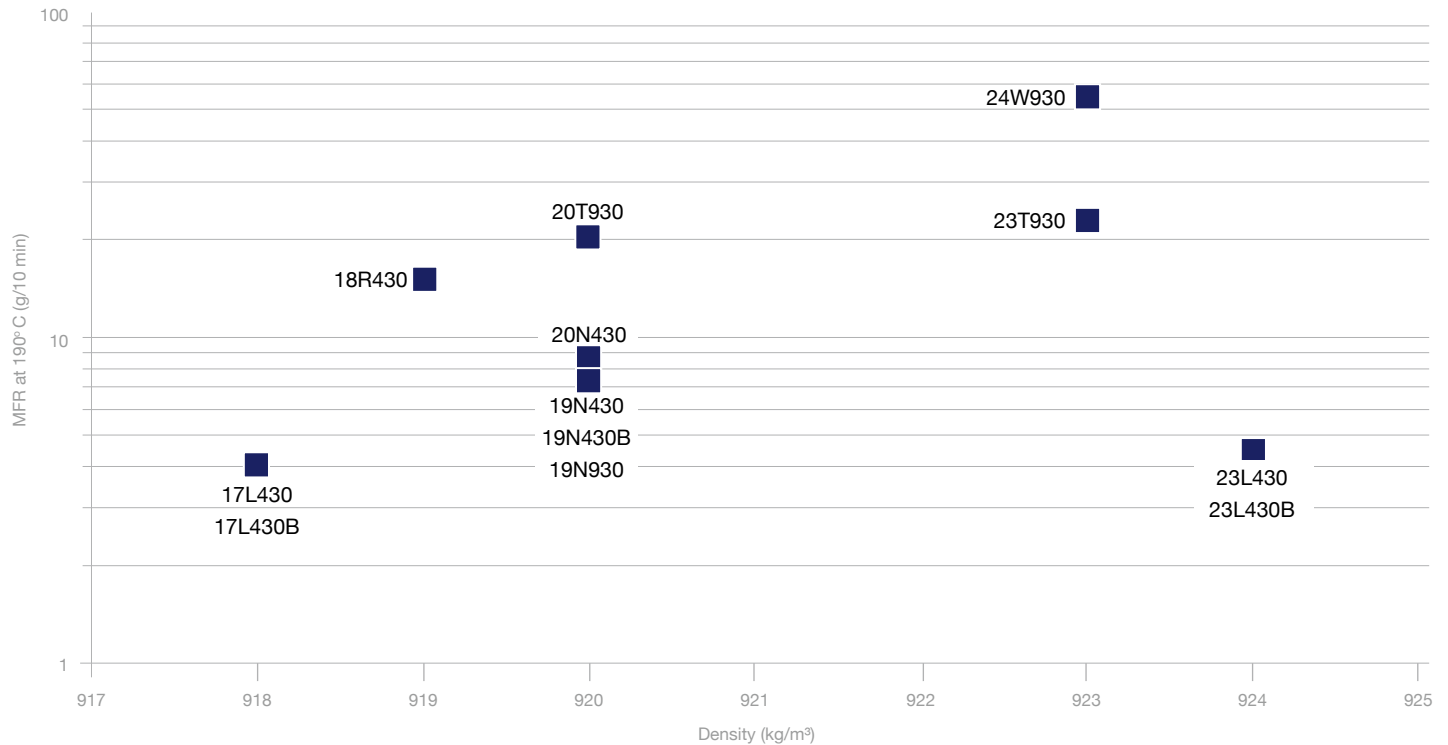


LDPE Injection-Moulding

Product characteristics

Properties Conditions Methods Units	Melt Flow Rate 190° C, 2.16kg ISO 1133-1 g/10 min	Density 23° C ISO 1183-1 kg/m ³	Flexural Modulus (1) 23° C ISO 178 MPa	Melting Point (2) INEOS °C	Shore Hardness D ISO 868 MPa	Vicat A (10N) ISO 306 °C
17L430, 17L430B	4	918	220	107	45	86
23L430, 23L430B	4.5	924	190	111	52	96
19N430, 19N430B, 19N930	7.5	920	145	108	47	88
20N430	8.5	920	145	108	44	87
18R430	15	919	115	107	40	78
20T930	20	920	135	108	39	77
23T930	22	923	180	110	49	92
24W930	55	923	160	110	47	89

(1) Measured on 4mm thick injection-moulded specimens (2) Measured by Differential Scanning Calorimetry (10°C/min)



About us

INEOS is one of the world's largest chemical companies, founded in 1998. INEOS Olefins & Polymers Europe is a leading producer of olefins and polyolefins.

INEOS Olefins & Polymers Europe offers a full range of high value polyolefins solutions for market applications such as food and industrial packaging, pipe and automotive through dedicated sales, and technical service teams.

INEOS is a safe and environmentally responsible company. We are engaged in developing our sustainable agenda to improve our operations and to implement sustainable solutions for our customers. This includes products that offer lightweighting, energy efficiency, durability (extended lifetime) or conservation of resources. We care.



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