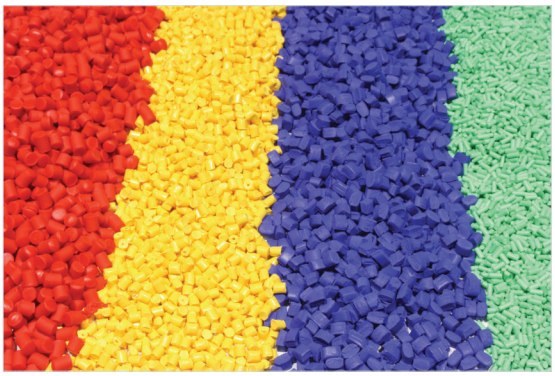
INEOS Olefins & Polymers Europe

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

Product Information

INEOS O&P Europe is offering a wide range of low density polyethylene resins 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. LDPE resins are available from our autoclave production plants located in Cologne (Germany) and Bamble (Norway).



Benefits and Features

LDPE resins 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 70 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

For Product Data Sheet and Safety Data Sheet please visit us at www.ineos.com
or contact your INEOS O&P Europe local representative or send an e-mail to ineospofcsc@ineos.com

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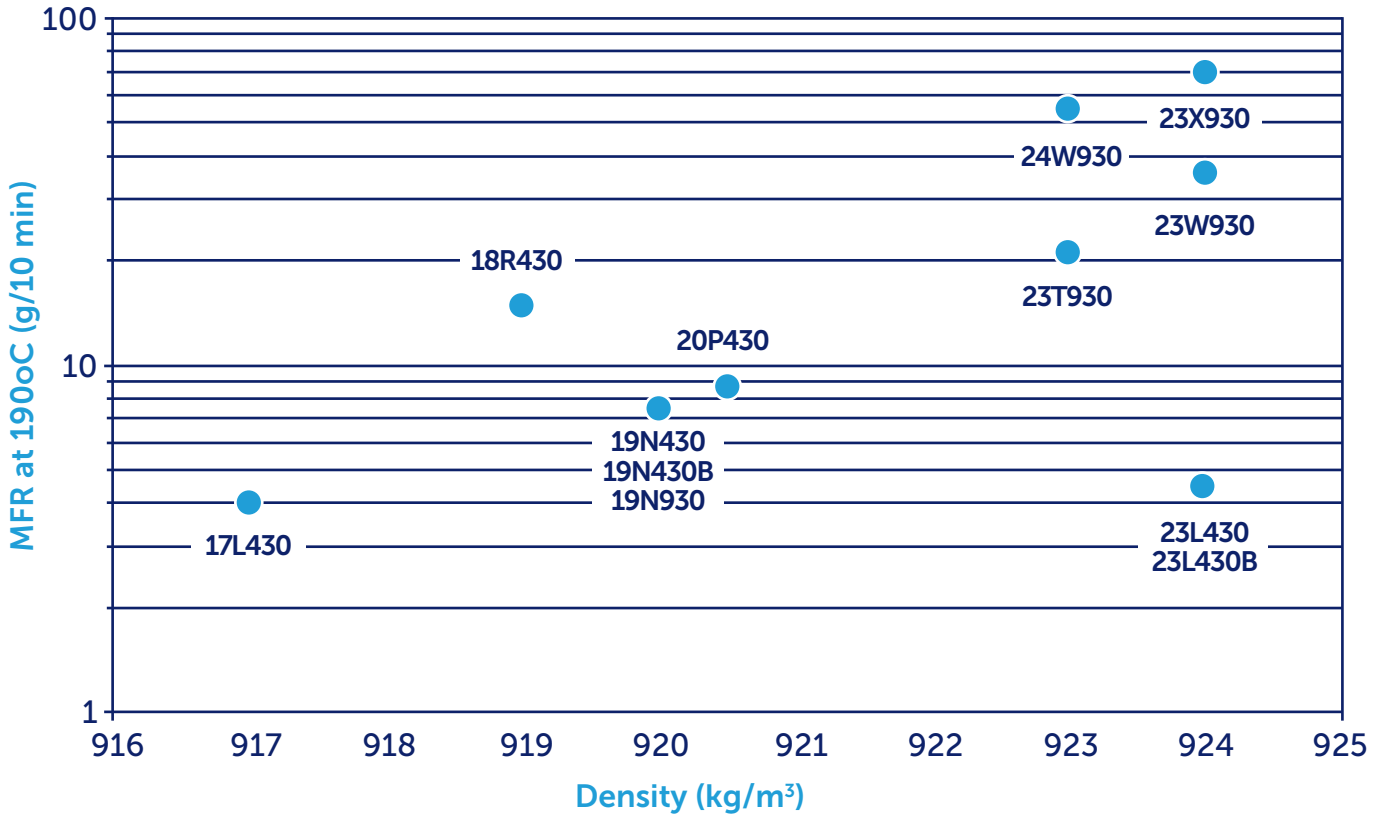
Product characteristics

Properties	Methods	Units	17L430	23L430 23L430B	19N430 19N430B 19N930	20P430	18R430	23T930	23W930	24W930	23X930
Melt Index (190 °C, 2.16kg)	ISO 1133	g/10 min	4	4,5	7,5	8,8	15	22	36	55	70
Density (23 °C)	ISO 1183	kg/m³	917	924	920	920,5	919	923	924	923	924
Flexural Modulus (23 °C) (1)	ISO 178	MPa	125	190	145	145	115	180	180	160	170
Melting Point (2)	INEOS	°C	106	111	108	108	107	110	111	110	111
Shore hardness D	ISO 868	-	45	52	47	44	40	49	48	47	48
Vicat A (10N)	ISO 306	°C	86	96	88	87	78	92	90	89	89

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



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