# 17L430

## Product Technical Information

Additive free LDPE homopolymer extrusion coating

## Benefits & Features

**17L430** special polymer structure gives the following properties:

- low speed grade with a very stable and low Neck In
- improving the melt curtain stability in blends or coextrusion

## Applications

Extrusion coating and laminating grade designed with an outstanding low Neck In. As blending partner with other polymers the 17L430 improves the melt curtain stability and reduces the Neck In.

We recommend that you consult your INEOS technical representative for further advice on the use of **17L430**.

| Properties | Conditions | Test Methods | Values | Units |
|---|---|---|---|---|
| **Physical** | | | | |
| Melt Flow Rate | 190°C/2.16Kg | ISO 1133-1 | 4.0 | g/10min |
| Density | 23°C | ISO 1183-1 & ISO1872-1 | 918 | kg/m³ |
| **Mechanical*** | | | | |
| Shore Hardness D | | ISO 868 | 45 | |
| Tensile Modulus | | ISO 527 | 183 | MPa |
| Tensile Stress at Yield | | ISO 527 | 9 | MPa |
| Elongation at Yield | | ISO 527 | 20 | % |
| Tensile Stress at Break | | ISO 527 | 13 | MPa |
| Elongation at Break | | ISO 527 | 411 | % |
| Flexural Modulus | 23°C | ISO 178 | 220 | MPa |
| Izod Impact Strength | -20°C | ISO 180 | 69 | kJ/m2 |
| Environmental Stress Crack Resistance | | INEOS Test Method | --- | h |
| **Thermal** | | | | |
| Melting Temperature | DSC 2nd heating 10°C/min | ISO 11357-3 | 107 | °C |
| Heat of Fusion | | ASTM 3418 | 111 | J/g |
| Crystallization Temperature | DSC | INEOS Test Method | 92 - 56 | °C |
| Vicat Softening Temperature | 10N | ISO306/A50 | 86 | °C |

**Data should not be used for specification work**

* Measurements made on compression moulded plaques – ** injection moulding plaques, ISO 1BA specimens

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## Processing guidelines

**17L430** can be processed on commercial extrusion coating equipments over the melt temperature range 260 - 325 °C, depending if it is used as pure polymer or blending partner.

## 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.



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