



# 19N430B

## Product Technical Information

Additive free LDPE homopolymer extrusion coating, injection moulding and compounding product

## Benefits & Features

**19N430B** special polymer structure gives the following properties:

### For extrusion coating:

- Well balanced Neck In and Draw Down performance
- Good adhesion performance and sealing properties

### For injection moulding and compounding:

- Excellent flexibility
- Good transparency
- Absence of any kind of additive allowing tailor formulation of specific compounds and master-batches

## Applications

Extrusion coating and laminating grade designed for a medium to high coating line speed.

19N430B is also suitable for injection moulding of flexible products (caps and closures, food containers, soft tubes, technical parts) as well as for the production of compounds.

We recommend that you consult your INEOS technical representative for further advice on the use of **19N430B**.

| Properties                  | Conditions               | Test Methods | Values | Units             |
|-----------------------------|--------------------------|--------------|--------|-------------------|
| <b>Rheological</b>          |                          |              |        |                   |
| Melt Flow Rate              | 190°C/2.16Kg             | ISO 1133-1   | 7.5    | g/10min           |
| <b>Physical</b>             |                          |              |        |                   |
| Density ISO 1872-1          | 23°C                     | ISO 1183-1   | 920    | kg/m <sup>3</sup> |
| <b>Mechanical</b>           |                          |              |        |                   |
| Shore Hardness D*           | 1 second                 | ISO 868      | 47     | -                 |
| Tensile Modulus **          | 23°C, 1 mm/min           | ISO 527-2    | 170    | MPa               |
| Tensile strength at yield * | 23°C, 50mm/min           | ISO 527-2    | 9      | MPa               |
| Tensile strength at break * | 23°C, 50mm/min           | ISO 527-2    | 10     | MPa               |
| Tensile strain at Break *   | 23°C, 50mm/min           | ISO 527-2    | 550    | %                 |
| <b>Thermal</b>              |                          |              |        |                   |
| Melting Temperature         | DSC 2nd heating 10°C/min | ISO 11357-3  | 108    | °C                |
| Vicat Softening Temperature | 10N                      | ISO306/A50   | 87     | °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

### For Extrusion coating:

**19N430B** can be processed on commercial extrusion coating equipments over the melt temperature range 280 - 325 °C.

### For Injection Moulding:

**19N430B** can be injected over the usual melt temperature range 190 - 250°C depending on part thickness, with high injection speeds in a cold mould regulated with water cooled usually at 14°C between 10 to 20°C.

## 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.

### Regulatory Information

The product and uses described herein may be subject to specific requirements or limitations for use in certain applications like food contact, drinking water or medical devices. Further information may be obtained from the website [www.ineos.com](http://www.ineos.com) where a specific Regulatory Certificate is available for each grade under the heading "SDS & Regulatory Certificate".

Unless specifically indicated, the product mentioned herein is not suitable for applications in the medical or pharmaceutical sectors.

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