

# 19N930

## Product Technical Information

LDPE for Injection moulding.

### Benefits & Features

**19N930** is a low-density polyethylene intended for injection moulding. It is a medium MFR material, having good flow properties and allowing short cycle time. The moulded article is characterised by low degree of built-in stress, good stiffness, low warpage and high gloss

### Applications

**19N930** is recommended for injection moulding of flexible products which require good flow properties and short cycle time. The material is especially suitable for products like caps and closures, household goods and toys.

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	23°C, conditioning ISO 17855-1	ISO 1183-1	920	kg/m <sup>3</sup>
<b>Mechanical*</b>				
Vicat Softening Temperature	Method A50 (10N, 50°C/h)	ISO 306	88	°C
Shore D Hardness		ISO 868	47	-
Tensile Stress at Yield		ISO 527	9	MPa
Tensile Stress at Break		ISO 527	10	MPa
Elongation at Break		ISO 527	550	%
<b>Thermal</b>				
Melting Temperature	DSC, 10°C/min	INEOS Test Method	108	°C
<b>Data should not be used for specification work</b>				

\*Measurements made on compression moulded plaques



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## 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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## 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.

## Health and Safety Information

The product described herein may require precautions in handling. The available product health and safety information for this material is contained in the Safety Data Sheet (SDS) that may be obtained from the website [www.ineos.com](http://www.ineos.com). Before using any material, a customer is advised to consult the SDS for the product under consideration for use.

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