



24W930

Product Technical Information

LDPE for Injection moulding and compounding

24W930 is a low-density polyethylene intended for injection moulding and compounding. It is a high 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 and high gloss.

Applications

24W930 is recommended for injection moulding of flexible products which require good flow properties and short cycle time. The material is especially suitable for thin walled products like caps and closures, household goods and toys.

It is also recommended for the manufacturing of highly filled compounds.

Properties	Test Method	Value	Units
Physical			
Melt flow rate (190°C/2.16 kg)	ISO 1133	55	g/10 min
Density	ISO 1183	923	kg/m ³
Flexural Modulus @23°C*	ISO 178	300	MPa
Tensile Modulus @23°C*	ISO 527	260	MPa
DSC melting temperature (10°C/min)	INEOS Method	108	°C
Vicat softening temperature A (10N)	ISO 306	89	°C
Shore hardness D*	ISO 868	47	-
Tensile strength @ yield*	ISO R527	10.4	MPa
Tensile strength @ break*	ISO R527	8.6	MPa
Elongation @ break*	ISO R527	100	%

* Measured on 4mm thick compression moulded specimens

- Data should not be used for specification work

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 require global product registrations and notifications for chemical inventory listings, or for use in food contact or medical devices. For further information, send an email to psnohreg@ineos.com. Unless specifically indicated, the products mentioned herein are not suitable for applications in the medical or pharmaceutical sector.

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 Material Safety Data Sheet (MSDS) that may be obtained from the website www.ineospolylefins.com. Before using any material, a customer is advised to consult the MSDS for the product under consideration for use.

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