Manufacturer website: https://www.ineos.com/businesses/ineos-olefins-polymers/

24W930

Product Technical Information

LDPE for Injection moulding and compounding

Benefits & Features

24W930 is a low-density polyethylene intended for injection rnoulding 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	Conditions	Test Methods	Values	Units
Physical				
Melt Flow Rate	190°C/2.16Kg	ISO 1133-1	55	g/10min
Density	23°C	ISO 1183-1	923	kg/m³
Mechanical*				
Flexural Modulus	23°C	ISO 178	300	MPa
Tensile Modulus	23°C, 1 mm/min	ISO 527-2	260	MPa
Tensile Strength at Yield	23°C, 50 mm/min	ISO 527-2	10.4	MPa
Tensile Strength at Break	23°C, 50 mm/min	ISO 527-2	8.6	MPa
Tensile Strain at Break	23°C, 50 mm/min	ISO 527-2	100	%
Shore Hardness D	1 second	ISO 868	47	-
Thermal				
Melting temperature	DSC, 10°C/min	INEOS Test Method	108	°C
Vicat Softening Temperature	10N	ISO306/A50	89	°C

Data should not be used for specification work

* Values determined 4mm thick compression moulded specimens

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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.

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 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. Before using any material, a customer is advised to consult the SDS for the product under consideration for use.

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