

23T930-ES

Product Technical Information

LDPE for Injection moulding

23T930-ES is a low-density polyethylene intended for injection moulding. 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

23T930-ES 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.

Properties	Conditions	Test Methods	Values	Units
Rheological				
Melt Flow Rate	190°C/2.16kg	ISO 1133-1	22	g/10min
Physical				
Density ISO 17855-1	23°C	ISO 1183-2	923	kg/m ³
Mechanical				
Tensile Modulus	1 mm/min	ISO 527-2	180	MPa
Tensile Impact Strength, notched	method A1	ISO 8256	180	kJ/m ²
Tensile strain at break	50mm/min	ISO 527-2	130	%
Shore D Hardness		ISO 868	49	-
Vicat softening temperature	Method A (10N)	ISO 306	92	g/10 min
Data should not be used for specification work				



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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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