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

20T930

Product Technical Information

LDPE for Injection moulding and compounding.

Benefits & Features

20T930 is a low-density polyethylene intended for injection moulding or for the production of compounds and master-batches. It is a high MFR material, having good flow properties and allowing short cycle time and good additives and pigments dispersion. The moulded article is characterised by low degree of built-in stress, good stiffness and high gloss.

Applications

20T930 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
Rheological				
Melt Flow Rate	190°C/2.16kg	ISO 1133-1	20	g/10min
Physical				
Density ISO 17855-1	23°C	ISO 1183-1	920	kg/m³
Mechanical				
Tensile strain at Break	23°C, 50 mm/min	ISO 527-2	120	%
Tensile Impact Strength, notched		ISO 8256	160	kJ/m²
Tensile Modulus	23°C, 1 mm/min	ISO 527-2	170	MPa
Shore Hardness	Shore D	ISO 868	39	-
Thermal				
Vicat Softening Temperature	10N	ISO306/A50	77	°C

Data should not be used for specification work

Processing guidelines

For Injection Moulding:
20T930 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.

July, 2017

Published by
INEOS Olefins & Polymers Europe

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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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July, 2017

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