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

180-HR25

Product Technical Information

180-HR25 is a nucleated and antistatic homopolymer polypropylene, manufactured with a non phthalate based catalyst. **180-HR25** is suitable for the fast production of thin-walled injection-moulded articles. **180-HR25** is a controlled rheology quality featuring high crystallinity, giving excellent stiffness and good heat resistance.

Applications

- Thin walled injection moulding
- Caps and closures
- Technical & electronic parts

Benefits & Features

- Controlled crystallinity (with a nucleating agent)
- Controlled rheology
- High stiffness
- Manufactured with a non phthalate based catalyst

Properties	Conditions	Test Methods	Values	Units
Rheological				
Melt Flow Rate	230°C/2.16kg	ISO 1133-1	25	g/10min
Mechanical				
Flexural Modulus	23°C	ISO 178	1800	MPa
Tensile Strength at Yield	23°C	ISO 527-1,-2	38	MPa
Izod Impact Strength, notched	23°C	ISO 180/A	3.3	kJ/m2
Charpy Impact Strength, notched	23°C	ISO 179-1/1eA	2.3	kJ/m2
Thermal				
Heat Deflection Temperature	0.45 MPa	ISO 75-2	126	°C
Vicat Softening Temperature	10N	ISO 306/A50	155	°C
Data should not be used for specification work				

March, 2016

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.

Exclusion of Liability

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March, 2016

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