

# 240xHP40

## Provisional Product Technical Information Polypropylene – Random Copolymer

240xHP40 is a new generation clarified random copolymer especially intended for the injection moulding of articles with high transparency, excellent stiffness and impact strength balance and fast cycle. 40xHP40 has a property profile also suitable for injection stretch blow moulding (ISBM).

### Applications

- Transparent thin wall injection moulding
- Caps and closures
- Housewares
- Clarified food containers
- ISBM Bottles

### Benefits and Features

- High optics: good transparency, gloss and aesthetic aspect
  - Very Good flow
  - Improved Balance of Impact strength and Stiffness
- cycle time and demoulding temperature. 240xHP40 maintains excellent transparency to reduce cooling thanks to higher demoulding temperature

Properties		Test Methods	Values	Units
<b>Physical</b>				
Melt Flow Rate	@230°C	ISO 1133	40	g/10min
<b>Mechanical</b>				
Flexural Modulus	@23°C	ISO 178	1100	MPa
Tensile Strength @Yield	@23°C	ISO 527-1,-2	28	MPa
Izod impact strength, notched		ISO 180/1A	5.3	kJ/m <sup>2</sup>
@23°C		ISO 180/1A	3.2	kJ/m <sup>2</sup>
Izod impact strength, notched	@			
<b>Thermal</b>				
HDT (Heat Deflection Temp.)	@0.45 MPa	ISO 75/B	85	°C
Vicat softening Temperature	@10	ISO 306/A	130	°C
<b>Optical</b>				
Haze 1mm thickness	@23°C	ASTM D 1003	15	%
plate	@23°C	ASTM D 1003	35	%
Haze 2mm thickness				

Date 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

## 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](mailto:psnohreg@ineos.com).

Unless specifically indicated, the products mentioned herein are not suitable for applications in the medical or

## 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.ineospolyolefins.com](http://www.ineospolyolefins.com).

**Exclusion of Liability** In addition, a customer is advised to consult the MSDS for the product under consideration for use.

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