

240-HP40

Product Technical Information

Polypropylene Random Copolymer

Benefits & Features

240-HP40 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.

240-HP40 has a property profile also suitable for injection stretch blow moulding (ISBM).

- High optics: good transparency, gloss and aesthetic aspect
- Very good flow
- Improved balance of impact strength and stiffness
- Cycle time reduction potential – 240-HP40 enables to :
 - reduce moulding temperature while maintaining high transparency
 - reduce cooling thanks to higher demoulding temperature

Applications

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

Properties	Conditions	Test Methods	Values	Units
Physical				
Melt Flow Rate	230°C/2.16Kg	ISO 1133-1	40	g/10min
Mechanical*				
Flexural Modulus	23°C	ISO 178	1100	MPa
Tensile Strength at Yield	23°C	ISO 527-1,-2	28	MPa
Izod Impact Strength, notched	23°C	ISO 180/A	5.5	KJ/m ²
Izod Impact Strength, notched	0°C	ISO 180/A	3.2	KJ/m ²
Optical				
Haze	1mm Thickness	ASTM D 1003	15	%
Haze	2mm Thickness	ASTM D 1003	30	%
Thermal				
Crystallisation Temperature	DSC	INEOS Test Method	126	°C
Heat Deflection Temperature	0.45 MPa	ISO 75-2	85	°C
Vicat Softening Temperature	10N	ISO306/A50	130	°C

Data should not be used for specification work

* Values determined on injection moulded specimens acc. to ISO 1873-2, based on 7 days conditioning time



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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.

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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".

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