



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/m2
Izod Impact Strength, notched	0°C	ISO 180/A	3.2	KJ/m2
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

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.