

INEOS PP 240-HP40

Polypropylene Random Copolymer

INEOS Olefins & Polymers Europe

Message:

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).

Benefits and Features

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 excellent transparency

reduce cooling thanks to higher demoulding temperature

Applications

Transparent thin wall injection moulding

Housewares

Clarified food containers

ISBM Bottles

General Information			
Additive	Clarifier		
Features	Fast Molding Cycle		
	High Clarity		
	High Flow		
	High Gloss		
	Random Copolymer		
Uses	Bottles		
	Food Containers		
	Household Goods		
	Thin-walled Parts		
RoHS Compliance	Contact Manufacturer		
Forms	Pellets		
Processing Method	Injection Molding		
	Injection Stretch Blow Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	40	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C, Injection Molded)	28.0	MPa	ISO 527-2
Flexural Modulus (23°C, Injection Molded)	1100	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method

Notched Izod Impact Strength			ISO 180/1A
0°C, Injection Molded	3.2	kJ/m ²	
23°C, Injection Molded	5.5	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	85.0	°C	ISO 75-2/B
Vicat Softening Temperature	130	°C	ISO 306/A50
Crystallization Point	126	°C	Internal Method
Optical	Nominal Value	Unit	Test Method
Haze			ASTM D1003
1000 μm	15	%	
2000 μm	30	%	

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