

# Rigidex® P 450-HP90

Polypropylene Impact Copolymer

INEOS Olefins & Polymers Europe

## Message:

Rigidex® P 450-HP90 is a nucleated and antistatic high flow high impact copolymer specifically designed for very fast cycling, thin walled injection moulding applications.

The Rigidex® P series of polypropylene resins are manufactured using the latest catalyst/process developments on Innovene P gas phase technology. As a result, they offer an industry leading balance between fluidity, rigidity and impact resistance.

New nucleating technology leads to higher isotropy and subsequently lower warpage of the final objects.

### Applications:

Very Thin Walled Technical Mouldings

Yellow fat containers

Housewares

### Benefits and Features:

Very good impact, even below 0°C

Low warpage

Very high flowability

Very short cycle time

Antistatic

General Information			
Additive	Antistatic		
	Nucleating Agent		
Features	Antistatic		
	Fast Molding Cycle		
	High Flow		
	High Impact Resistance		
	Impact Copolymer		
	Low Temperature Impact Resistance		
	Low Warpage		
	Medium Rigidity		
	Nucleated		
Uses	Containers		
	Household Goods		
	Thin-walled Parts		
RoHS Compliance	Contact Manufacturer		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	90	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method


Flexural Modulus (23°C)	1350	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180/1A
-20°C	4.2	kJ/m <sup>2</sup>	
23°C	5.8	kJ/m <sup>2</sup>	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	104	°C	ISO 75-2/B

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