



Rigidex® P 450-HP90

Product Technical Information

Rigide® 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(R) 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

Properties		Test Methods	Values	Units
Physical				
Melt Flow Rate	230°C/2.16kg	ISO 1133	90	g/10min
Mechanical				
Flexural Modulus	@23°C	ISO 178	1350	MPa
Izod impact strength, notched	@+23°C	ISO 180/1A	5.8	kJ/m ²
	@-20°C	ISO 180/1A	4.2	kJ/m ²
Thermal				
HDT	@0.45 MPa	ISO 75/B	104	°C

- Data should not be used for specification work