Rigidex® P 450-HP60

Product Technical Information

Rigidex® P 450-HP60 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 0ºC
- Low warpage
- Very high flowability
- Very short cycle time
- Antistatic

Properties		Test Methods	Values	Units
Physical				
Melt Flow Rate	230ºC/2.16kg	ISO 1133	60	g/10min
Mechanical				
Flexural Modulus	@23ºC	ISO 178	1400	MPa
Izod impact strength, notched	@+23ºC	ISO 180/1A	6.2	kJ/m²
	@-20ºC	ISO 180/1A	4.2	kJ/m²
Thermal				
HDT	@0.45 MPa	ISO 75/B	105	ºC

- Data should not be used for specification work

October, 2009

Published by
INEOS Olefins & Polymers Europe

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Regulatory Information

The product and uses described herein may require global product registrations and notifications for chemical inventory listings, or for use in food contact or medical devices. For further information, send an email to psnohreg@ineos.com. Unless specifically indicated, the products mentioned herein are not suitable for applications in the medical or pharmaceutical sector.

Health and Safety Information

The product described herein may require precautions in handling. The available product health and safety information for this material is contained in the Material Safety Data Sheet (MSDS) that may be obtained from the website www.ineospolyolefins.com . Before using any material, a customer is advised to consult the MSDS for the product under consideration for use.

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