



RIGIDEX[®] P 380-H100

Product Technical Information

RIGIDEX[®] P 380-H100 is a nucleated and antistatic high flow 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. This grade has been designed for high rigidity applications. New nucleating technology leads to higher isotropy and subsequently lower warpage of the final objects.

Benefits & Features

- Good impact behaviour, even below 0°C
- Low warpage
- Very high flowability
- Very short cycle time
- Antistatic
- Manufactured with a non-phthalate base catalyst

Applications

- Thin Walled Technical Mouldings
- Yellow fat containers
- Housewares

| Properties | Conditions | Test Methods | Values | Units |
|------------------------------------------------|--------------|--------------|--------|-------------------|
| Rheological | | | | |
| Melt Flow Rate | 230°C/2.16kg | ISO 1133-1 | 90 | g/10min |
| Mechanical | | | | |
| Flexural Modulus | 23°C | ISO 178 | 1550 | MPa |
| Izod Impact Strength, notched | 23°C | ISO 180/A | 5.5 | kJ/m ² |
| Izod Impact Strength, notched | 0°C | ISO 180/A | 4.5 | kJ/m ² |
| Izod Impact Strength, notched | -20°C | ISO 180/A | 3.4 | kJ/m ² |
| Data should not be used for specification work | | | | |



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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.

Regulatory Information

The product and uses described herein may be subject to specific requirements or limitations for use in certain applications like food contact, drinking water or medical devices. Further information may be obtained from the website www.ineos.com where a specific Regulatory Certificate is available for each grade under the heading "SDS & Regulatory Certificate".

Unless specifically indicated, the product mentioned herein is not suitable for applications in the medical or pharmaceutical sectors.

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 Safety Data Sheet (SDS) that may be obtained from the website www.ineos.com. Before using any material, a customer is advised to consult the SDS for the product under consideration for use.

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