



RIGIDEX[®] P 480-HP90

Product Technical Information

RIGIDEX[®] P 480-HP90 is a nucleated and antistatic high flow high impact copolymer manufactured with a non phthalate based catalyst. It is specifically designed for very fast cycling, thin walled injection moulding applications.

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 & Features

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

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	1350	MPa
Izod Impact Strength, notched	23°C	ISO 180/A	5.8	kJ/m ²
Izod Impact Strength, notched	-20°C	ISO 180/A	4.2	kJ/m ²
Thermal				
Heat Deflection Temperature	0.45 MPa	ISO 75-2	104	°C
Data should not be used for specification work				

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.