

Rigidex[®] P 450-HP60 & 480-HP90

A step change in high flow impact copolymers

Product Features

- Excellent fluidity
- Very good impact/stiffness balance
- Fast crystallisation and low warpage
- Antistatic
- Food contact approved



Product Benefits

Rigidex[®] P 450-HP60 and 480-HP90 from Innovene[™] PP technology are high fluidity impact copolymer polypropylene grades developed for the moulding of articles with either very thin walls or complex geometries. They offer the following advantages for converters:

- **Increased productivity** thanks to high fluidity (lower processing temperature) and high crystallisation rates, both of which allow for cycle time reduction.
- **Low warpage and shrinkage** resulting from the use of the latest generation of nucleating agent.
- **Lightweighting** as a consequence of an outstanding rigidity/impact balance.

Rigidex[®] P 480-HP90 is manufactured with a non-phthalate based catalyst.

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Product Characteristics

	Standard	Rigidex [®] P	
		450-HP60	480-HP90
Melt Index 230 °C/2.16 kg - g/10 min	ISO 1133-1	60	90
Crystallization point (°C)	DSC, INEOS	126	126
Flexural Modulus (MPa)	ISO 178	1400	1350
N.Izod at RT (kJ/m ²)	ISO 180/A	6.2	5.8
N.Izod at -20 °C (kJ/m ²)	ISO 180/A	4.2	4.2
Multi axial impact strength -20 °C (J/mm)	ISO 6603-2	13.5	9

Data not to be considered as specification

Rigidity/Impact Balance (Comparison with competitive MFR 70 materials)

