

PP

PP ZH9017

POLYPROPYLENE IMPACT COPOLYMER (PP)

This resin is a medium-flow polypropylene impact (block) copolymer produced by copolymerizing a small proportion of ethylene into the propylene chain. The added ethylene segments impart good creep resistance, long-term aging resistance, impact toughness, and resistance to extraction at elevated temperatures, making the material well suited to injection-moulded parts that must withstand repeated mechanical stress and thermal cycling.

Typical Application

- Injection-moulded automotive parts
- Household electrical appliance housings and components

Product Characteristics

- Balanced impact toughness and stiffness from ethylene-propylene block copolymerization
- Good creep resistance and long-term aging resistance
- Resistant to extraction at elevated service temperatures
- Consistent processability for high-volume injection moulding

Physical Properties

Properties	Test Method	Typical Value	Unit
Melt Flow Rate (230°C/2.16kg)		17	g/10 min
Tensile Stress at Yield		19	MPa
Notched Izod Impact Strength (23°C)		58	kJ/m ²
Flexural Modulus		900	MPa

1. Typical values per the producer's published family data; grade-specific certificate of analysis supplied per lot at order.

2. The nominal properties reported herein are typical of the product and do not reflect normal testing variance; they should not be used for specification purposes.