

PP

PP K9017H

POLYPROPYLENE IMPACT COPOLYMER (PP)

This resin is a medium-flow polypropylene impact (block) copolymer produced by introducing an ethylene-propylene rubber phase into a semi-crystalline polypropylene homopolymer matrix, creating a heterophasic copolymer. It combines a high heat deflection temperature, good scratch resistance, and strong low-temperature impact resistance with a favorable stiffness-toughness balance, while its melt flow supports good processability in injection moulding.

Typical Application

- Injection moulding of automotive parts
- Injection moulding of household electrical appliances

Product Characteristics

- High impact strength at ambient temperature
- Good balance of stiffness and impact toughness
- Good scratch resistance
- High heat deflection temperature

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. This grade code is co-marketed under an alternate plant designation (ZH9017) and shares the same published family datasheet.
2. Typical values per the producer's published family data; grade-specific certificate of analysis supplied per lot at order.
3. 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.