

PP

PP K7726H

POLYPROPYLENE IMPACT COPOLYMER (PP)

This resin is a high-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 low-temperature impact resistance with a favorable stiffness-toughness balance, while its high melt flow supports short moulding cycle times and excellent processability.

Typical Application	Product Characteristics	International Compliance
• Injection moulding of household electrical appliances	• High melt flow for fast-cycle injection moulding • Good balance of stiffness and impact toughness • Good scratch resistance • Retains impact toughness at low temperature	• Food-contact hygiene compliance (China GB standard) • FDA • RoHS • EN71

Physical Properties

Properties	Test Method	Typical Value	Unit
Melt Flow Rate (230°C/2.16kg)		30	g/10 min
Tensile Stress at Yield		25	MPa
Notched Izod Impact Strength (23°C)		9	kJ/m ²
Notched Izod Impact Strength (-20°C)	GB/T 1043	6.2	kJ/m ²
Flexural Modulus		1150	MPa

1. Compliance markings and the -20°C impact value are cross-referenced from the producer's broader synthetic-resins catalogue, which lists this grade with a slightly different typical-value set (MFR 29 g/10min, tensile 26.5 MPa, 23°C notched Izod 12 kJ/m², flexural modulus 1328 MPa) — normal grade-table/lot variance for the same commercial code.

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.