PP

PP M30RH

POLYPROPYLENE IMPACT COPOLYMER (PP)

This grade is a polypropylene impact (block) copolymer produced by introducing an ethylene-propylene rubber phase into a semi-crystalline polypropylene homopolymer matrix, giving high thermal deformation temperature, high Rockwell hardness, good fluidity and short processing time. The heterophasic microstructure delivers a favorable balance of stiffness and toughness for fast-cycle injection moulding.

Typical Application	Product Characteristics
• Household electrical appliances • Interior and exterior parts of washing machines • Automotive interior trim and modified compounds	• High thermal deformation temperature • High Rockwell hardness • Good fluidity and short moulding-cycle time • Heterophasic (rubber-toughened) impact copolymer microstructure

Physical Properties

Properties	Test Method	Typical Value	Unit
Melt Flow Rate (230°C/2.16 kg)		30	g/10 min
Tensile Strength at Yield		25	MPa
Notched Izod Impact Strength (23°C)		7.5	kJ/m²
Flexural Modulus		1300	MPa

1. A second published producer family data set lists closely comparable typical values for this grade (tensile 24.3 MPa, notched Izod 8.4 kJ/m², flexural modulus 1250 MPa); the figures above use the producer's offer-sheet values for consistency with the accompanying commercial documentation.
2. Typical values per the producer's published family data; a grade-specific certificate of analysis is 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.