

HP501M

Homopolymer

Description:

HP501M is a homopolymer polypropylene for injection molding applications that exhibits good stiffness/impact balance at ambient temperature. The main applications of HP501M are caps and closures, housewares and furniture.

Typical Applications

- Furniture
- Injection Molded Caps and Closures
- Housewares

Features: Good stiffness/impact balance, Homopolymer

Suitable for: Injection molding applications

Product Specification

PHYSICAL/MECHANICAL PROPERTIES	VALUE*	UNIT	TEST METHOD
Melt Flow Rate (230 °C, 2.16 kg)	7.5	g/10 min	ISO 1133
Density	0.9	g/cm ³	ISO 1183
Tensile Modulus (1 mm/min)	1500	MPa	ISO 527-1, -2
Tensile Strength at Yield (50 mm/min)	34	MPa	ISO 527-1, -2
Tensile Elongation at Break (50 mm/min)	>50	%	ISO 527-1, -2
Tensile Elongation at Yield (50 mm/min)	9	%	ISO 527-1, -2
Charpy impact strength (Notch A) 23 °C	3.5	kJ/m ²	ISO 179
Ball indentation hardness (H 358/30)	74	MPa	ISO 2039-1
Vicat softening point A50	154	°C	ISO 306
H.D.T. B (0.45 MPa)	85	°C	ISO 75B-1, -2

* Typical values; not to be considered as product specification.