

HP500M

Homopolymer

Description:

HP500M is a polypropylene homopolymer suitable for injection molding applications that due to its good flow properties offers easy processing. Articles produced from HP500M exhibit high stiffness. HP500M is widely used for injection molding consumer goods such as food containers, housewares, toys and garden furniture. Other major applications are components for appliances and parts for the automotive industry. HP500M is suitable for food contact.

Typical Applications

- Housewares
- Food containers
- Garden furniture
- Toys
- Components for appliances
- Parts for the automotive industry

Features: Good flow properties, Easy processing, High stiffness

Suitable for: Injection molding applications

Product Specification

PHYSICAL/MECHANICAL PROPERTIES	VALUE*	UNIT	TEST METHOD
Melt Flow Rate (230 °C, 2.16 kg)	9	g/10 min	ASTM D1238
Density	0.9	g/cm ³	ASTM D1505
Flexural Modulus	1550	MPa	ASTM D790
Tensile Strength at Yield	35	MPa	ASTM D638
Tensile Elongation at Yield	12	%	ASTM D638
Izod Impact Strength (notched) at 23 °C	37	J/m	ASTM D256
Rockwell Hardness	102	R Scale	ASTM D785
Vicat softening point (10 N)	154	°C	ASTM D1525
H.D.T. (0.46 MPa)	95	°C	ASTM D648
Accelerated oven ageing in air at 150 °C	360	h	ASTM D3012

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