

# HP500L

## Homopolymer

**Description:**

HP500L is a polypropylene homopolymer for injection molding that provides good flow properties, easy processing and high stiffness. The main applications of HP500L are housewares, small containers, crates, garden furniture, stadium seats, toys, caps and closures. Other major applications are components for appliances and parts for the automotive industry. HP500L is suitable for food contact.

**Typical Applications**

- Housewares and components for appliances
- Small containers
- Crates
- Garden furniture
- Stadium seats
- Toys
- Caps and closures
- Parts for the automotive industry

**Features:** Easy processing and good moldability, High stiffness, Good stretchability

**Suitable for:** Injection molding applications

**Product Specification**

PHYSICAL/MECHANICAL PROPERTIES	VALUE*	UNIT	TEST METHOD
Melt Flow Rate (230 °C, 2.16 kg)	6	g/10 min	ASTM D1238
Density	0.9	g/cm <sup>3</sup>	ASTM D1505
Flexural Modulus	1500	MPa	ASTM D790
Tensile Strength at Yield	35	MPa	ASTM D638
Tensile Elongation at Yield	10	%	ASTM D638
Izod Impact Strength (notched) at 23 °C	40	J/m	ASTM D256
Rockwell Hardness	99	R Scale	ASTM D785
Vicat softening point (10 N)	154	°C	ASTM D1525
H.D.T. (0.46 MPa)	94	°C	ASTM D648
Accelerated oven ageing in air at 150 °C	360	h	ASTM D3012

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