

# HP500J

## Homopolymer

**Description:**

HP500J is a general purpose polypropylene homopolymer for injection molding applications and combines high stiffness and fairly good impact strength with good processability. The grade is suitable for a wide range of applications such as housewares, caps, closures, small containers, toys, parts for small appliances and components for the automotive industry. HP500J is also used for compounding. This grade is suitable for food contact.

**Typical Applications**

- Housewares
- Caps and closures
- Small containers
- Toys
- Parts for small appliances
- Components for the automotive industry
- Compounding

**Features:** Good impact strength, High stiffness, Good processability

**Suitable for:** Injection molding and Compounding applications

**Product Specification**

PHYSICAL/MECHANICAL PROPERTIES	VALUE*	UNIT	TEST METHOD
Melt Flow Rate (230 °C, 2.16 kg)	3.1	g/10 min	ASTM D1238
Density	0.9	g/cm <sup>3</sup>	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	55	J/m	ASTM D256
Rockwell Hardness	102	R Scale	ASTM D785
Vicat softening point (10 N)	156	°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.