

## Technical Datasheet HP500P

### 1) Product Description:

HP500P is a polypropylene homopolymer with good flow properties for injection molding and compounding applications. This grade offers medium-high fluidity, easy mold filling and short cycle times. The final items molded with HP500P exhibit good dimensional stability and high stiffness. The product is well suited for the production of thin-walled articles and articles with long flow paths. HP500P is also an excellent polymer base for compounding and masterbatches. HP500P is suitable for food contact.

### 2) Applications:

- Appliance Components
- Compounding
- Masterbatch
- Caps
- Containers
- Thin-walled parts
- Closures
- Household Goods
- Toys

### 3) Typical data:

Property	Test method	Unit	value
Density	ASTM D 1505	g/cm <sup>3</sup>	0.900
Melt Mass-Flow Rate MFR)(230°C/2.16kg)	ASTM D 1238	g/10 min	17
Tensile Strength (Yield)	ASTM D 638	MPa	33.0
Tensile Elongation (Yield)	ASTM D 638	%	12
Flexural Modulus	ASTM D 790	MPa	1550
Notched Izod Impact(23°C)	ASTM D 256	J/m	30
Rockwell Hardness (R-Scale)	ASTM D785	-	103
Deflection Temperature Under Load (0.45 MPa). Unannealed	ASTM D648	°C	95.0
Vicat Softening Temperature	ASTM D 1525 <sup>3</sup>	°C	154
Accelerated Oven Ageing (150 °C)	ASTM D 3012	hr	360

\* Typical values not to be construed as specifications.