

**Technical Data Sheet**

**HP500H**

Polypropylene Homopolymer

" HP500H" is a polypropylene homopolymer for general injection molding applications. Besides the high stiffness and good impact strength, " HP500H" offers good processability." HP500H" is suitable for a wide range of applications such as appliance components, textile bobbins, wheels, fittings, caps, closures, and household articles." HP500H" is suitable for food contact.

**Applications:**

- Appliance components
- Textile bobbins
- Wheels
- Fittings
- Caps, closures
- Household articles

TYPICAL PROPERTIES	VALUE	UNIT	METHOD
<b>physical</b>			
Melt Floe Index(200°C/2.16Kg)	1.8	g/10 min	ASTM D1238
Density	0.9	g/cm <sup>3</sup>	ASTM D1505
<b>Mechanical</b>			
Flexural Modulus	1650	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	60	J/m	ASTM D256
Rockwell Hardness	105	R-Scale	ASTM D785
<b>Thermal</b>			
Vicat softening point (10N)	154	°C	ASTM D1525
H.D.T. (0.46 Mpa)	94	°C	ASTM D648
Accelerated oven ageing in air at 150 °C	360	Hours	ASTM D3012