

# PP

Homo PP for injection molding

## ► HJ500

### ● Description

HJ500 is homo PP for injection molding application. The injection molded articles made from this grade offers high rigidity and heat resistance, excellent scratch resistance, and high surface gloss. Products of HJ500 ascertain pleasant and satisfying service quality due to substantially less odor from reduced volatile organic compounds.

### ● Characteristics

- High rigidity & Heat resistance
- Excellent scratch resistance & high surface gloss
- Excellent organoleptics & High purity (low VOC)

### ● Applications

- General purpose, Houseware

### ● Physical Properties

Typical Properties	Method (ASTM)	Unit	HJ500
Melt flow index	D1238	g/10min	11
Density	D1505	g/cm <sup>3</sup>	0.91
Tensile strength at yield	D638	kg/cm <sup>2</sup>	380
Elongation at break	D638	%	500
Flexural modulus	D790	kg/cm <sup>2</sup>	16,000
Izod impact strength 23 °C	D256	kgcm/cm	3
Rockwell hardness	D785	R-scale	100
Heat distortion temp.	D648	°C	110

## ● **Food Contact Application**

- ▶ Hanwha Total HJ500 meets the FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520 for food contact.
- ▶ In case you might need additional technical or regulatory information, please contact Hanwha Total Polymer Technical Service Team.