

**PP**

**High Strength/high Heat Resistance**

▶ **HJ730**

## ● **Description**

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**HJ730** is a highly isotactic Homo PP(HIPP) with high crystal-line properties compared to normal Homo PP. The product's crystalline properties have enhanced its strength and heat resistance. HJ730 is highly useful for use in electrical/electronic appliances and high strength automobile parts which are exposed to lengthy periods of high temperatures.

## ● **Characteristics**

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Unique balance of flowability and impact resistance: processing of large scale parts

- ▶ High strength → thin injection molded products may be formed
- ▶ Ultra-high heat resistance → high service temperature
- ▶ High crystallinity → suitable for high speed processing
- ▶ Good surface hardness → excellent scratch resistance
- ▶ Good pigment dispersion → allows for dry coloring

## ● **Applications**

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- ▶ Home appliance such as coffee maker, kettle, etc

## ● **Physical Properties**

Typical Properties	Method (ASTM)	Unit	HJ730
Melt flow index	D1238	g/10min	20
Density	D1505	g/cm <sup>3</sup>	0.91
Tensile strength at yield	D638	kg/cm <sup>2</sup>	370
Elongation at break	D638	%	200
Flexural modulus	D790	kg/cm <sup>2</sup>	17,000
Izod impact strength 23 °C	D256	kgcm/cm	3
Rockwell hardness	D785	R-scale	105
Heat distortion temp.	D648	°C	120

*\* Data shown above are representative values for reference purposes only, and not to be construed as specifications.*

## ● **Food Contact Application**

- ▶ Hanwha Total HJ730 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.