

# PP

Homo PP for transparent sheet

## ▶ HS120

### ● Description

**HS120** is a highly isotactic Homo PP (HIPP) with high crystalline properties compared to normal Homo PP, leading to high strength and heatresistance. The characteristics of high strength, heat resistance and transparency endow the final product with an outstanding image.

### ● Characteristics

- ▶ High rigidity & high transparency
- ▶ High crystallinity
- ▶ High strength → weight reduction of injection molded products and allows thinner products

### ● Physical Properties

Typical Properties	Method (ASTM)	Unit	HS120
Melt flow index	D1238	g/10min	1.5
Density	D1505	g/cm <sup>3</sup>	0.91
Tensile strength at yield	D638	kg/cm <sup>2</sup>	430
Elongation at break	D638	%	500
Flexural modulus	D790	kg/cm <sup>2</sup>	20,000
Izod impact strength 23 °C	D256	kgcm/cm	4.0
Rockwell hardness	D785	R-scale	103
Heat distortion temp.	D648	°C	130
Haze	D1003	%	48

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

## ● **Food Contact Application**

- ▶ Hanwha Total HS120 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.

## ● **Contacts**

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### ▶ **Product Information & Technical Services**

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