

# PP

Homo PP for transparent sheet

## ▶ HS120

### ● Description

**HS120** is a highly isotactic Homo PP (HIPP) with high crystal-line 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.

\* Data performed by or on behalf of Hanwha Total



## ● **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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