

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 ³	0.91
Tensile strength at yield	D638	kg/cm ²	430
Elongation at break	D638	%	500
Flexural modulus	D790	kg/cm ²	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

● **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.