

PP

Homo PP for special BOPP Film

► HU300

● Description

HU300 is a new class of high crystallinity homo polypropylene with extremely high stiffness and excellent heat resistance. HU300 is designed for the production of BOPP films

● Characteristics

- ▶ Superior mechanical properties;
HU300 is suitable for replacement of PET
- ▶ Excellent thermal stability ;
Stable thermal shrinkage at high temperature
- ▶ High melting temperature of BOPP Film : 173°C

● Physical Properties

Typical Properties	Method (ASTM)	Unit	HU300
Melt flow index	D1238	g/10min	3.0
Density	D1505	g/cm ³	0.91
Tensile strength at yield	D638	kg/cm ²	420
Elongation at break	D638	%	400
Flexural modulus	D790	kg/cm ²	20,000
Izod impact strength 23 °C	D256	kgcm/cm	3.0
Rockwell hardness	D785	R-scale	100
Heat distortion temp.	D648	°C	117

● **BOPP Film Properties**

Typical Properties		Method (ASTM)	Unit	HU300	Conv.PP
Thickness			um	30	30
Tensile strength	MD	D882	kg/cm ²	1,500	1,000
	TD			2,800	2,600
Tensile Modulus	MD	D882	kg/cm ²	23,000	18,000
	TD			35,000	29,000

Data performed by or on behalf of Hanwha Total

● **Food Contact Application**

- ▶ Hanwha Total HU300 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.