PP

High Strength High Heat Resistance

▶HJ730L

● Description

HJ730L 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. HJ730L is highly useful for use in electrical/electronic appliances and high strength automobile parts which are exposed to lengthy periods of high temperatures.

● Characteristics & Applications

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 crystalinity → suitable for high speed processing
- ▶ Good surface hardness → excellent scratch resistance
- ▶ Good pigment dispersion → allows for dry coloring

● Physical Properties

Typical Properties	Method (ASTM)	Unit	HJ730L
Melt flow index	D1238	g/10min	5
Density	D1505	g/cm3	0.91
Tensile strength at yield	D638	kg/cm2	370
Elongation at break	D638	%	200
Flexural modulus	D790	kg/cm2	17,000
Izod impact strength 23℃	D256	kgcm/cm	3
Rockwell hardness	D785	R-scale	105
Heat distortion temp.	D648	℃	120

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

Food Contact Application

- Samsung Total HJ730L 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 Samsung Total Customer Service Team.

Other Information

The information in this document can be used for reference only, not to be construed as specification. Customers are responsible for determine whether our product and information is suitable for their particular purpose and for the compliance with related law.

SAMSUNG TOTAL assumes no obligation or liability for the information in this document.

Contacts

- **Product Information & Technical Services**

411-1, Dokgod Ri, Daesan Up, Seosan Si, Chung Nam, Korea 356-711
TEL : 82-41-660-6190 FAX : 82-41-660-6189