

# PP

Random PP for injection molding  
(Anti  $\gamma$ -ray)

## ▶ RJ710

### ● Description

**RJ710** is a propylene-ethylene random copolymer for manufacturing injection molding articles, especially anti  $\gamma$ -ray medical device. This grade doesn't contain "Endocrine disruptor". In addition, the well-balanced comonomer design & nucleation technology of RJ710 provide the final products with good appearance and mechanical performance.

### ● Characteristics

- ▶ Excellent  $\gamma$ -ray sterilization stability and comply with USP Class VI
- ▶ High flowability, Excellent transparency and appearance
- ▶ Wide Processing window;  
Productivity increase: cycle time reduction by faster crystallization

### ● Applications

- ▶ Medical syringe, labware, centrifuge tube, tray, injection molding

### ● Physical Properties

Typical Properties	Method (ASTM)	Unit	RJ710
Melt flow index	D1238	g/10min	25
Density	D1505	g/cm <sup>3</sup>	0.91
Tensile strength at yield	D638	kg/cm <sup>2</sup>	310
Elongation at break	D638	%	500
Flexural modulus	D790	kg/cm <sup>2</sup>	12,000
Izod impact strength at 23 °C	D256	kgcm/cm	5
Rockwell hardness	D785	R-scale	85
Heat distortion temperature	D648	°C	95
Haze (2mm sheet)	D1003	%	20

\* 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

LPE03015  
1 / 2



## ● **Food Contact Application**

- ▶ Hanwha Total RJ710 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**

---

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

103, Dokgot 2-ro, Daesan-eup, Seosan-si, Chungcheongnam-do,  
Korea, 31900

TEL : 82-41-660-6190      FAX : 82-41-660-6189

### Disclaimer

*This document is copyright of Hanwha Total petrochemicals Co., Ltd. Any and all information and the values in this document are typical properties for reference, not to be confused with, or regarded as specification. Customers are responsible for determining whether our products and information are suitable for their particular purpose and for ensuring that Customer's location and handling practices are in compliance with laws and regulations. HANWHA TOTAL assumes no obligation or liability for the information in this document. NO EXPRESS WARRANTIES ARE GIVEN EXCEPT FOR ANY APPLICABLE WRITTEN WARRANTIES SPECIFICALLY PROVIDED BY HANWHA TOTAL. ALL IMPLIED WARRANTIES INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED. HANWHA TOTAL is entitled to alter, change or modify any of the content herein at any time without prior notice, but not under any duty to do so.*

