

PP

Random PP for injection molding
(Anti γ -ray)

▶ RJ710

● Description

RJ710 is a propylene-ethylene random copolymer for manufacturing injection molding articles, especially anti γ -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 γ -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 ³	0.91
Tensile strength at yield	D638	kg/cm ²	310
Elongation at break	D638	%	500
Flexural modulus	D790	kg/cm ²	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.

● **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**

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