

# 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 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

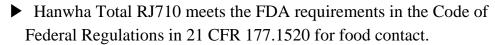
## Physical Properties

Typical Properties	Method (ASTM)	Unit	RJ710
Melt flow index	D1238	g/10min	25
Density	D1505	g/cm <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	$^{\circ}$	95
Haze (2mm sheet)	D1003	%	20

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## Food Contact Application



In case you might need additional technical or regulatory information
please contact Hanwha Total Polymer Technical Service Team.