

# PP

Random PP for injection molding

## ▶ RJ772

### ● Description

**RJ772** is a propylene-ethylene random copolymer for manufacturing injection molding articles. This grade doesn't contain "Endocrine disruptor". In addition, the well-balanced comonomer design & nucleation technology of RJ772 provide the final products with good appearance and mechanical performance.

### ● Characteristics

- ▶ High flowability, Excellent transparency and appearance
- ▶ Wide Processing window ;  
Productivity increase : cycle time reduction by faster crystallization  
Energy saving by low temperature injection

### ● Applications

- ▶ transparent food container, storage box, syringe, dispensing system

### ● Physical Properties

Typical Properties	Method (ASTM)	Unit	RJ772
Melt flow index	D1238	g/10min	18
Density	D1505	g/cm <sup>3</sup>	0.91
Tensile strength at yield	D638	kg/cm <sup>2</sup>	300
Elongation at break	D638	%	< 700
Flexural modulus	D790	kg/cm <sup>2</sup>	11,000
Izod impact strength at 23 °C	D256	kgcm/cm	6
Rockwell hardness	D785	R-scale	85
Heat distortion temperature	D648	°C	95
Haze (2mm sheet)	D1003	%	18

## ● **Food Contact Application**

- ▶ Hanwha Total RJ772 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.