

PP

Random PP for injection molding

▶ RJ770

● Description

RJ770 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 RJ770 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 | RJ770 |
|-------------------------------|---------------|--------------------|--------|
| Melt flow index | D1238 | g/10min | 25 |
| Density | D1505 | g/cm ³ | 0.91 |
| Tensile strength at yield | D638 | kg/cm ² | 320 |
| Elongation at break | D638 | % | 500 |
| Flexural modulus | D790 | kg/cm ² | 11,000 |
| 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 | % | 19 |

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

● **Food Contact Application**

- ▶ Hanwha Total RJ770 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** www.cn-plas.com

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