

PP

High Transparency Impact PP

► CI570

● Description

Hanwha Total CI570 is an impact copolymers manufactured by Hanwha Total CSPP technology. It is specially designed for the applications which require high transparency, falling weight impact strength, stress whitening resistance, and gloss.

● Characteristics

- High transparency, impact strength, gloss
- Stress whitening resistance

● Applications

- Transparent storage box, food container, caps & closure

● Physical Properties

| Typical Properties | | Method (ASTM) | Unit | CI570 |
|-----------------------------|-----|---------------|--------------------|--------------|
| Melt flow index | | D1238 | g/10min | 12 |
| Density | | D1505 | g/cm ³ | 0.91 |
| Tensile strength at yield | | D638 | kg/cm ² | 290 |
| Elongation at break | | D638 | % | >700 |
| Flexural modulus | | D790 | kg/cm ² | 11,000 |
| Izod impact Strength | 23℃ | D256 | kg cm/cm | 15 |
| | 0℃ | | | 5 |
| Rockwell hardness | | D785 | R-scale | 70 |
| Heat distortion temperature | | D648 | ℃ | 100 |
| Haze (2 mm sheet) | | D1003 | % | 23 |
| Gloss (60°) | | D523 | % | 100 |
| Falling weight impact (0℃) | | STC | J | 22 (ductile) |

● **Food Contact Application**

- ▶ Hanwha Total CI570 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.