

PP

High Transparency Impact PP

▶ CI571

● Description

CI571 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 and gloss. This grade shows good hinge property, stress whitening resistance and UV stability.

● Characteristics

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

● Applications

- ▶ Transparent storage box, food container, caps & closure

● Physical Properties

Typical Properties		Method (ASTM)	Unit	CI571
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°C	D256	kg cm/cm	15
	0°C			5
Rockwell hardness		D785	R-scale	70
Heat distortion temperature		D648	°C	100
Haze (2 mm sheet)		D1003	%	23
Gloss (60°)		D523	%	100
Falling weight impact (0°C)		Hanwha Total	J	22 (ductile)

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



● **Food Contact Application**

- ▶ Hanwha Total CI571 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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