

PP

CSPP for film applications

► **CF309**

● Description

CF309 is a propylene-ethylene block copolymer designed for film application. Clear & soft characteristics of CF309 lead excellent impact strength/transparency balance and stress whitening resistance.

● Characteristics

- High impact strength
- High transparency & gloss
- Excellent Stress whitening resistance
- Low fish eye level

● Applications

- Protective films with high transparency for IT industry, Decoration sheet, Retort pouch

● Film(40 μ m cast film) Properties

	Test Method	Unit	CF309
Haze	ASTM D1003	%	5
Gloss (45°)	ASTM D2457	%	60

* Processing temperature: 230 °C

● **Physical Properties**

Typical Properties	Method (ASTM)	Unit	CF309
Melt flow index	D1238	g/10min	5.0
Density	D1505	g/cm ³	0.91
Tensile strength at yield	D638	kg/cm ²	275
Elongation at break	D638	%	>600
Flexural modulus	D790	kg/cm ²	10,000
Izod impact strength 23 °C	D256	kgcm/cm	15
Rockwell hardness	D785	R-scale	63
Heat distortion temp.	D648	°C	103

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

● **Food Contact Application**

- ▶ Hanwha Total CF309 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.