

PP

Terpolymer for CPP film

▶ TF412

● Description

TF412 is a propylene-ethylene-butene terpolymer for casting film application. TF412 shows high slipperiness and excellent sealing property.

● Characteristics

- ▶ Excellent transparency & gloss
- ▶ Low-temperature heat sealing
- ▶ Slipperiness and anti-blocking property

● Physical Properties

Typical Properties	Method (ASTM)	Unit	TF412
Melt flow index	D1238	g/10min	7
Density	D1505	g/cm ³	0.90
Tensile strength at yield	D638	kg/cm ²	200
Elongation at break	D638	%	>500
Flexural modulus	D790	kg/cm ²	6,000
Izod impact strength at 23 °C	D256	kgcm/cm	10
Rockwell hardness	D785	R-scale	55
Heat distortion temperature	D648	°C	67

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

* Data performed by or on behalf of Hanwha Total www.cn-plas.com

● **Food Contact Application**

- ▶ Hanwha Total TF412 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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