

PP ►TF451

**Terpolymer for CPP film** 

## Description

**TF451** is a propylene-ethylene-butene terpolymer for aluminum metalized cast film application.

## Characteristics

- ► Low-temperature heat sealing
- ► Excellent transparency & gloss
- ► High stiffness
- ► Good anti-blocking property

# Physical Properties

Typical Properties	Method (ASTM)	Unit	TF451
Melt flow index	D1238	g/10min	7
Density	D1505	g/cm <sup>3</sup>	0.91
Tensile strength at yield	D638	kg/cm <sup>2</sup>	220
Elongation at break	D638	%	>500
Flexural modulus	D790	kg/cm <sup>2</sup>	6,500
Izod impact strength at 23 °C	D256	kgcm/cm	9
Rockwell hardness	D785	R-scale	59
Heat distortion temperature	D648	$^{\circ}$	70
Melting point	Hanwha Total	°C	132

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

<sup>\*</sup> Data performed by or on behalf of Hanwha Total www.cn-plas.com



### Food Contact Application

- ▶ Hanwha Total TF451 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.

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▶ Product Information & Technical Services www.cn-plas.com

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