

PP

Terpolymer for Medical Application

▶ TF460

● Description

TF460 is a propylene-ethylene-butene terpolymer for medical application. Well designed comonomer structure of TF460 gives high clarity/impact resistance and good processability. It also shows high softness and excellent sealing performance. It is suitable for the medical IV film application & base material of medical compounds.

● Characteristics

- ▶ Excellent softness & transparency
- ▶ Comply with USP Class VI (suitable for medical application)
- ▶ Low temperature heat sealing
- ▶ Good processability in casting film & down-blown film

● Application

- ▶ Medical IV film, Medical compounding (cap, tube, etc)

● Physical Properties

Typical Properties	Method (ASTM)	Unit	TF460
Melt flow index	D1238	g/10min	7
Density	D1505	g/cm ³	0.91
Tensile strength at yield	D638	kg/cm ²	220
Elongation at break	D638	%	> 700
Flexural modulus	D790	kg/cm ²	6,500
Izod impact strength at 23 °C	D256	kgcm/cm	8
Rockwell hardness	D785	R-scale	55
Heat distortion temperature	D648	°C	75

* 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

● **Food Contact Application**

- ▶ There may be some limitation to apply Hanwha Total TF460 to the food packaging. Thus, the verification on the suitability is necessary.
- ▶ 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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