



Taghleef Industries S.p.A.

**PRODUCT SPECIFICATION****SP 1.34.S****SFT**Film di polipropilene biorientato, per applicazioni in monopiega.  
*Biaxially oriented polypropylene film, for single folded film application.*

TI	Trattamento interno	<i>Inside treatment</i>
TO	Trattamento esterno	<i>Outside treatment</i>
NT	Non trattato	<i>Non treated</i>

Proprietà <i>Property</i>	Metodo <i>Method</i>	Unità di misura <i>Unit</i>	Valore di riferimento <i>Reference value</i>	Intervallo di variazione <i>Range of variation</i>
Spessore nominale <i>Nominal thickness</i>	-	μm	20 25 30 40	± 5% (*)
Grammatura <i>Unit weight</i>	Internal Method	g/m <sup>2</sup>	18.2 22.8 27.3 36.4	± 5% (*)
Carico a Rottura <i>Tensile Strength</i>	ASTM D 882 (**)	MD TD	150 280	≥ 120 ≥ 250
Allung. a Rottura <i>Elongation at break</i>		MD TD	150 50	≤ 200 ≤ 90
Opacità <i>Opacity</i>	ASTM D 1003	%	1.6	≤ 2.0
Gloss (45°)	ASTM D 2457	Gloss Unit	90	≥ 80
Bagnabilità <i>Treatment level</i>	ASTM D 2578	mN/m	38	≥ 36

(\*) Valore riferito alla singola bobina.  
*Referred to single reel.*

(\*\*) Velocità (*Speed*): 100 mm/min.  
Lunghezza provino (*Specimen length*): 200 mm.

I film sono garantiti fino ad un massimo di 6 mesi dalla data di produzione.  
*Films are guaranteed for a period of 6 months from production date.*

 Dichiarazione di idoneità al contatto alimentare disponibile su richiesta.  
*Food contact declaration available on request.*

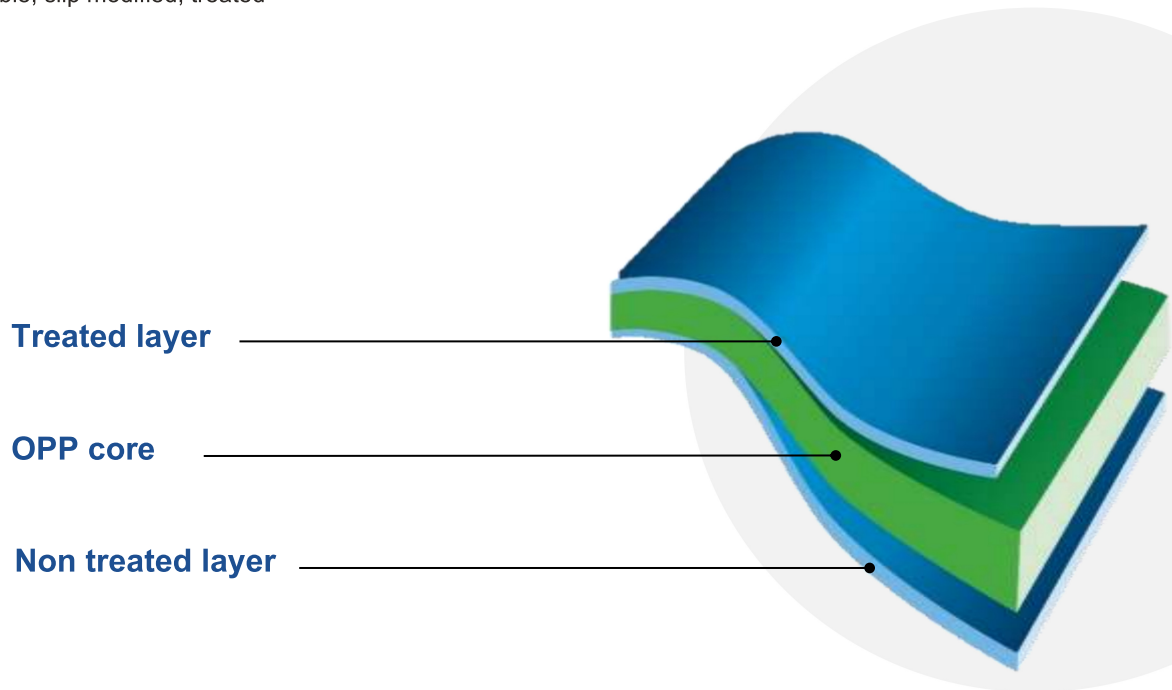
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# SFT

BoPP transparent film, non-heat sealable, slip modified, treated



## PROPERTIES

- Good optical properties
- Good moisture barrier
- Good mechanical properties
- Good antistatic and slip properties

## TYPICAL APPLICATIONS

- Single-folded film application (greeting cards, clothes, ties, and etc.)
- Hot wire welding
- Rotogravure and flexographic printing on the treated surface
- Lamination with other substrates
- Flower wrapping

FILM	STANDARD LENGTH (m)	4x (m)	6x (m)	8x (m)
<b>SFT 15</b>	4,250	17,000	25,500	34,000
<b>SFT 18</b>	3,550	14,200	21,300	28,400
<b>SFT 20</b>	3,200	12,800	19,200	25,600
<b>SFT 25</b>	2,550	10,200	15,300	20,400
<b>SFT 30</b>	2,100	8,400	12,600	16,800
<b>SFT 35</b>	1,800	7,200	10,800	14,400
<b>SFT 40</b>	1,600	6,400	9,600	12,800
Outside Diameter – core 76 mm	<b>305 mm</b>	<b>588 mm</b>	<b>716 mm</b>	<b>825 mm</b>
Outside Diameter – core 152 mm	<b>337 mm</b>	<b>605 mm</b>	<b>730 mm</b>	<b>838 mm</b>

\*Regional availability of roll sizes (multiples of standard length)-please refer to the corresponding Sales Representative

# SFT

PROPERTIES	METHOD	UNIT	REF.	TYPICAL VALUES						
Nominal thickness	Internal method	µm		15	18	20	25	30	35	40
Unit weight		g/m <sup>2</sup>		13.7	16.4	18.2	22.8	27.3	31.9	36.4
Yield		m <sup>2</sup> /kg		73.3	60.9	54.9	44.0	36.6	31.4	27.5
Tensile strength	ASTM D882	N/mm <sup>2</sup>	MD	150						
			TD	280						
Elongation at break		%	MD	150						
			TD	50						
Haze	ASTM D1003	%		1.6						
Gloss (45°)	ASTM D2457	Gloss Unit		90						
Dynamic cof	ASTM D1894		NT/NT	0.35						
Thermal shrinkage	Internal method (130°C, 5 mins)	%	MD	6.0						
			TD	2.0						
Treatment level	ASTM D2578	mN/m		36						

## TOLERANCE

Weight	≤ 1.000 kg	± 20%
	1.001-10.000 kg	± 10%
	> 10.000 kg	± 5%

## STORAGE, HANDLING AND APPLICATION

SFT film does not require special storage conditions. A storage temperature between 20°C to 30°C is recommended in order to minimise the deterioration of the film properties in general. It is advisable to turn over the inventory according to the delivery dates (first in – first out). The film should be conditioned in the operating environment for at least 24 hours before processing. SFT film is suitable for use up to 6 months from the date of production. If SFT is produced with corona treatment, then it is suitable for use up to 3 months from the date of production and in line refreshment of corona treatment is recommended before processing the film.

## PRINTABILITY/LAMINATION

Treated surface is not recommended to do any on-line treatment during converting process.

## INDICATION OF SURFACE TREATMENT

SFT film is usually supplied with treatment on the outside surface (TO).

SFT film can be supplied either with treatment on the inside surface (TI), treated on both sides (DO/DI) or without treatment (NT). This must be agreed with our sales representative before processing the order.

## FOOD CONTACT

**SFT film complies with EC and FDA regulations. Specific document and MSDS are available upon request.**

The property values represented in the table do not constitute product specifications but represent the average or typical values. Use of this information is limited to the specific recipient. While the information is accurate to the best of our knowledge as of the date compiled, it is limited to the information as specified. No representation or warranty, expressed or implied, is made regarding the information or its completeness or fitness to a particular use. The user is solely responsible for all determinations regarding use and we disclaim liability for any loss or damage that may occur from the use of this information. *Ti* does not guarantee the typical (or other) values.

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