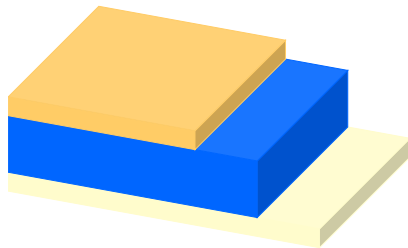


## Type: HSF-K410 BOPP white, one side treated, both sides sealable solid white film 30 µm

HSF-K410 is a white, one side treated, both sides heat sealable biaxially oriented polypropylene film. HSF-K410 is characterized by the high whiteness index. HSF-K410 offers barrier to visible and UV light. HSF-K410 can be used as mono web or in laminates in VFFS and HFFS applications.

### Composition



- treated, printable HS OPP layer
- white pigmented OPP core
- untreated, HS OPP layer

### Mechanical Properties

Property	Units	Nominal	Method
Nominal Thickness	µm	<b>30</b>	ASTM D374
Unit weight	g/m <sup>2</sup>	<b>28.5</b>	
Yield	m <sup>2</sup> /kg	<b>35.1</b>	
Tensile strength	MD kg/cm <sup>2</sup>	<b>1,100</b>	ASTM D882
	TD kg/cm <sup>2</sup>	<b>2,400</b>	
Elongation at break	MD %	<b>180</b>	ASTM D882
	TD %	<b>60</b>	

## Thermal Properties

Property	Units	Nominal	Method	Conditions
Heat shrinkage	MD %	4	ASTM D1204	
	TD %	2		
Seal strength	g/25mm	400	ASTM D1204	120°C - 2 bar
Seal Initiation Temperature	°C	112		

## Surface Properties

Property	Units	Nominal	Method	
Surface tension treated side	dyne/cm	38	ASTM D2578	
Co-efficient of friction (A/A) dynamic	N/A	0.30	ASTM D1894	

## Optical Properties

Property	Units	Nominal	Method	
Gloss		60	ASTM D2457	
Light transmission	%	40	ASTM D1003	

## Barrier Properties

Property	Units	Nominal	Method	
Water vapor transmission rate (WVTR)	g/m <sup>2</sup> *day	4.5	ASTM D1249	

## Material limitations

This product is not intended for use in medical or pharmaceutical applications and should not be utilized for such purposes.

## Storage conditions

Storage temperature to be maintained 25°C (+/-5°C) & relative humidity 55% (+/-5%) to avoid accelerated reduction of surface treatment level and material performance.

### Disclaimer

The information given above is to the best of our knowledge and experience at the time of printing. We make no warranty, express or implied, for specific product properties or as to the fitness of the product for any specific use or purpose. The above data is purely for reader's consideration, investigation and verification and should be read in conjunction with the general conditions for sale.

**Created** December 5, 2024