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Certificate Number 7877  
ISO 9001



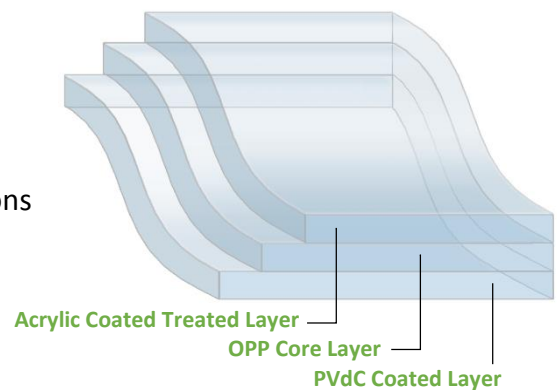
# HSF5400H

## Clear Heat Sealable Polypropylene Acrylic / PVdC Coated Film

**HSF5400H** is a bi-axially orientated, clear polypropylene one side Acrylic one side PVdC coated film. A co-extruded product giving hot tack, free seal type for large size and weight packages. This product is suitable where a high gas barrier, extended shelf life, attractive presentation and high speed packing is required.

### Features

- Excellent Moisture, Oxygen and aroma barrier
- Excellent sealing properties and hot tack
- Excellent retention of PVdC seals in humid conditions
- Outstanding optical properties
- Exceptional clarity
- High gloss and stiffness
- Excellent printability
- Exceptional machinability on a wide range of packaging machines
- Contains NO post-consumer recycled material
- Complies with FDA and EU regulations for direct food contact



### Typical Applications

- Where high barriers are required; Moisture, flavour, oxygen and aroma also Humidity resistant
- Confectionery, Box Overwrap, Bakery, Health and Beauty
- Suitable for printing, single ply or laminate applications
- Suitable for food and confectionary packaging

### Gauges Available

- 21, 26, 32 and 42micron

### General Information

- Handling and Product Health and Safety details available on request
- Recommended to store in dry condition below 30 °C and above 5 °C
- Best used within 6 months of manufacture
- Any folding or perforating will be carried out by either a BRC accredited or company approved sub-contractor



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**Typical Properties**

Properties		Test	Units	26mu	32mu	42mu
Yield			m <sup>2</sup> /kg	40	32.8	25.3
Unit Weight			g/m <sup>2</sup>	25	30.4	39.5
Haze			%	1.6	1.7	1.8
Gloss		45°		98		
Tensile Strength at Break	MD	200mm / min pull rate 120mm jaw separation	mpa	160		120
	TD			290		245
Elongation at Break	MD	200mm / min pull rate 120mm jaw separation	%	175		175
	TD			60		65
Dimensional Stability	MD	135 °C 7 min	%	-6.0		-4.0
	TD			-5.5		-2.0
Elastic Modulus	MD		mpa	2000		2000
	TD			3800		3500
Seal Strength	(Acrylic to Acrylic)	105 °C 0.034 mpa 2 sec	g/2.5 cm	300		
	(PVdC to PVdC)			300		
Heat Seal Range	(Acrylic to Acrylic)		°C	50		
	(PVdC to PVdC)			30		
Coefficient of friction	(Acrylic to Acrylic)	m		0.25		
	(PVdC to PVdC)			0.35		
WVTR	38°C / 90% RH		g/m <sup>2</sup> /24 hr	4.2	3.8	2.9
	23°C / 85% RH			0.90	0.80	0.50
OTR		23°C / 0% RH	cm <sup>3</sup> /m <sup>2</sup> / 24hr	20		

As all applications are subject to those conditions prevailing within specific applications, we recommend that a test be carried out to your satisfaction prior to full production.

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