



**STRENGTH**  
Quality  
**DURABILITY**

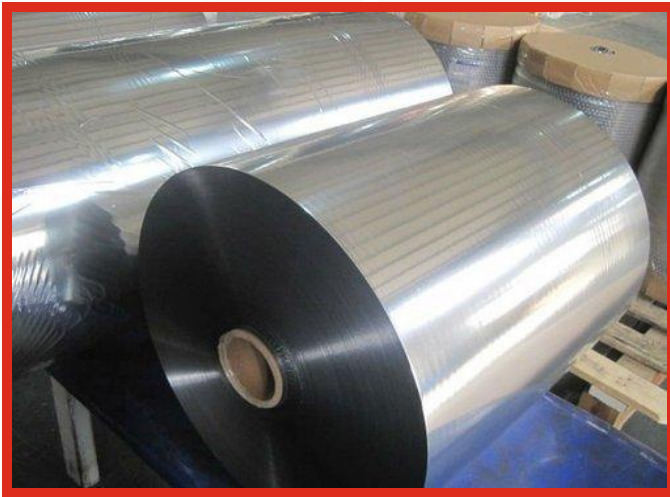
**KALPNA**  
POLYFILMS



## ABOUT US

**Kalpna Polyfilms Pvt. Ltd.** is a symbol of total flexible packaging solution. Specialized in manufacturing Cast Polypropylene Film (CPP). We are the growing manufacturer and supplier of wide range 3 layer CPP film made from superior quality raw material, with a focus on innovative packaging solution. It confirms to Global quality standards with in-house R&D facilities.

**Kalpna polyfilms** diverse portfolio of standard CPP film materials combined with knowledge, technology and analytical capabilities to develop new material targeting highly customized application. Flexibility offer alternate solution to meet our customer need enhance our potential for success.



Kalpna polyfilms production process is accomplished with the contribution of the most sophisticated and advance technology to produce a wide range of cast polypropylene film.

We have state of the art manufacturing facilities which can produce best quality CPP film with advanced technology such as online thickness, scanning , high quality corona treatment, Auto die for linear thickness, High speed facilities with flush winding in our advanced working area.

## QUALITY POLICY

Kalpna polyfilms Pvt. Ltd. always commit to offer best quality and seeking to be the best preferred CPP films manufacturer.

## OUR AIM

Our aim is to satisfy customer by consistently producing CPP films confirming to specified standards of quality requirements.

We always looking towards customer need and we always provide our best to fulfill the requirements of the customer



## PRODUCT RANGE

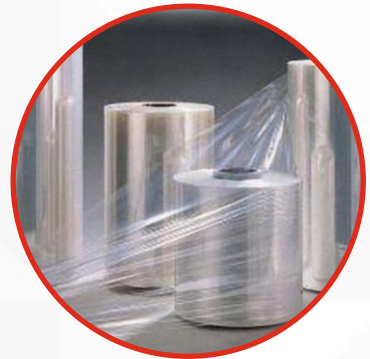
PRODUCT TYPE	THICKNESS	APPLICATION
3 Layer heat sealable natural treated lamination grade CPP film.	18 to 100 Micron	Nitrogen flushed packet food
3 Layer heat sealable white opaque Treated film surface printing grade film	18 to 100 Micron	Food and confectionary,oil and lube. Detergent &shampoo,textile etc.
3 layer heat sealable white opaque traeted lamination grade Cpp film	18 to 80 Micron	Food and confectionary,oil and lube. Detergent &shampoo,textile etc.
3 layer heat sealable Metalize CPP film	18 to 50 Micron	Food and confectionary,Barrier & Decorative etc.
3 Layer milky white Heat Sealable CPP film	18 to 60 Micron	Dry Packet food & snacks.
3 layer both side heat sealable film Natural CPP film bread grade	18 to 80 Micron	Pouch & bags
3 layer twist grade plain & metallized CPP film	20 to 60 Micron	Candy & Toffy twist wrap etc
3 layer file and folder CPP film	70 to 80 Micron	File and folder etc
3 layer blister CPP film	80 Micron	Pharmaceutical tablets,Disposable syring,needals and medical appliances blister packing,General cosmetic, confectionary blister packing.

## PRODUCT RANGE WITH CPP FILM



## TRANSPARENT CPP FILM SPECIFICATION CHART

APPLICATION:- LAMINATION							
PROPERTIES:-	TEST METHOD (ASTM)	UNIT	TYPICAL VALUE				
			20	25	30	40	50
<b>GENERAL</b>							
THICKNESS	INTERNAL(MICRO METE	Micron	20	25	30	40	50
		GAUGE	80	100	120	160	200
FILM DENSITY	FILM DENSITY	gm/cc	0.91	0.91	0.91	0.91	0.91
GRAMMAGE	INTERNAL	gm/m <sup>2</sup>	18.2	22.75	27.3	36.4	45.5
TREATMENT LEVEL	D-2578	dyne/cm	38	38	38	38	38
COEFF OF STATIC FRICTION	D-1894	-	0.35	0.35	0.35	0.35	0.35
<b>OPTICAL</b>							
HAZE	D-1003	%	3	4	4	4.5	5
GLOSS	D-2457	unit	80	80	75	70	70
<b>MECHANICAL</b>							
TENSILE STRENGTH AT BREAK	D-882	kg/cm <sup>2</sup>					
MD:-			500	500	500	500	500
TD:-			210	210	200	200	200
ELONGATION AT BREAK							
MD:-	D-882	%	450	450	450	450	450
TD:-		%	600	600	600	600	600
<b>THERMAL</b>							
HEAT SEAL INITIATION TEMPER	INTERNAL	°C	115	115	115	115	115
HEAT SEAL STRENGTH	INTERNAL	gm/25mm	1500	1800	2000	2000	2200
<b>BARRIER</b>							
W.V.T.R(38°C&90%RH)	F-1249	gm/100in <sup>2</sup> /day	0.84	0.77	0.65	0.58	0.52
O.T.R(23°C&0%RH)	D-3985	cc/100in <sup>2</sup> /day	239	235	232	229	226
MD=MACHINE DIRECTION ,TD=TRANSVERSE DIRECTION							
TREATMENT VALUE OF CPP FILMS TEND TO DECAY OVER A PERIOD OF TIME DURING TRANSPORTATION AND STORAGE CONDITION.							

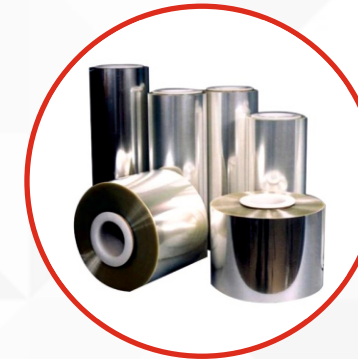


**Features:**  
Optimum tearing strength  
Impeccable finish  
Excellent water repellant

**Applications:**  
Food packaging

## METALLIZE CPP FILM SPECIFICATION CHART

TRANSPARENT, BOTH SIDE HEAT SEALABLE AND OTHER SIDE TREATED FILM APPLICATION:- METALLIZING							
PROPERTIES:-	TEST METHOD (ASTM)	UNIT	TYPICAL VALUE				
			25	30	35	50	
<b>GENERAL</b>							
THICKNESS	INTERNAL(MICRO METE	Micron	25	30	35	50	
		GAUGE	100	120	140	200	
FILM DENSITY	FILM DENSITY	gm/cc	0.91	0.91	0.91	0.91	
GRAMMAGE	INTERNAL	gm/m <sup>2</sup>	22.75	27.3	31.85	45.5	
TREATMENT LEVEL	D-2578	dyne/cm	38	38	38	38	
COEFF OF STATIC FRICTION	D-1894	-	0.6	0.6	0.6	0.5	
<b>OPTICAL</b>							
OPTICAL DENSITY(FOR MET/	OD METER	OD	2.20-2.40	2.20-2.40	2.20-2.40	2.20-2.40	
HAZE	D-1003	%	3	3	4	4	
GLOSS	D-2457	unit	80	75	70	70	
<b>MECHANICAL</b>							
TENSILE STRENGTH AT BREAK	D-882	kg/cm <sup>2</sup>					
MD:-			530	530	530	530	
TD:-			210	210	210	210	
ELONGATION AT BREAK							
MD:-	D-882	%	400	400	450	450	
TD:-		%	600	600	600	600	
<b>THERMAL</b>							
HEAT SEAL INITIATION TEMI	INTERNAL	°C	118	118	118	118	
HEAT SEAL STRENGTH	INTERNAL	gm/25mm	1800	2000	2200	2400	
<b>BARRIER</b>							
W.V.T.R(38°C&90%RH)	F-1249	gm/100in <sup>2</sup> /day	0.77	0.65	0.65	0.45	
O.T.R(23°C&0%RH)	D-3985	cc/100in <sup>2</sup> /day	232	229	229	226	
MD=MACHINE DIRECTION ,TD=TRANSVERSE DIRECTION							
TREATMENT VALUE OF CPP FILMS TEND TO DECAY OVER A PERIOD OF TIME DURING TRANSPORTATION AND STORAGE CONDITION.							



**Features:**  
High gloss  
Low thermal sealing temperature  
Low haze  
Excellent moisture resistance  
High thermal sealing strength  
Excellent seal strength

**Applications:**  
Low thermal sealing temperature  
Reasonable price  
High resistance to moisture

## WHITE OPAQUE FILM SPECIFICATION CHART

**WHITE OPAQUE, ONE SIDE HEAT SEALABLE AND OTHER SIDE TREATED FILM**  
APPLICATION:- LAMINATION, CONFECTIONERY PACKAGING

		TYPICAL VALUE					
PROPERTIES:-	TEST METHOD (ASTM UNIT)	18	20	22	25	30	
<b>GENERAL</b>							
THICKNESS	INTERNAL(MICRO ME	Micron	18	20	22	25	30
		GAUGE	72	80	88	100	120
FILM DENSITY	FILM DENSITY	gm/cc	0.95	0.95	0.95	0.95	0.95
GRAMMAGE	INTERNAL	gm/m <sup>2</sup>	17.1	19	20.9	23.75	28.5
TREATMENT LEVEL	D-2578	dyne/cm	38	38	38	38	38
COEFF OF STATIC FRICTION	D-1894	-	0.35	0.35	0.35	0.35	0.35
<b>OPTICAL</b>							
OPTICAL DENSITY(WHITE OPAQ	OD METER	OD	0.32	0.32	0.32	0.32	0.32
GLOSS	D-2457	unit	50	50	50	50	50
<b>MECHANICAL</b>							
TENSILE STRENGTH AT BREAK	D-882	kg/cm <sup>2</sup>					
MD:-			460	460	460	460	460
TD:-			200	200	200	200	200
ELONGATION AT BREAK		%					
MD:-	D-882	%	400	400	400	400	400
TD:-		%	600	600	600	600	600
<b>THERMAL</b>							
HEAT SEAL INITIATION TEMPERA	INTERNAL	°C	115	115	115	115	115
HEAT SEAL STRENGTH	INTERNAL	gm/25mm	1500	1500	1800	1800	2000
<b>BARRIER</b>							
W.V.T.R(38°C&90%RH)	F-1249	gm/100in <sup>2</sup> /day	0.84	0.84	0.77	0.77	0.65
O.T.R(23°C&0%RH)	D-3985	cc/100in <sup>2</sup> /day	242	239	235	235	232
MD-MACHINE DIRECTION ,TD- TRANSVERSE DIRECTION							
TREATMENT VALUE OF CPP FILMS TEND TO DECAY OVER A PERIOD OF TIME DURING TRANSPORTATION AND STORAGE CONDITION.							



**Features:**  
Lightweight  
High tearing strength  
High gloss


**Applications:**  
Food packaging



KALPNA POLYFILMS believes in Environmental Sustainability and has taken several key initiatives in India towards reducing Carbon Foot Print and Improving Productivity



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