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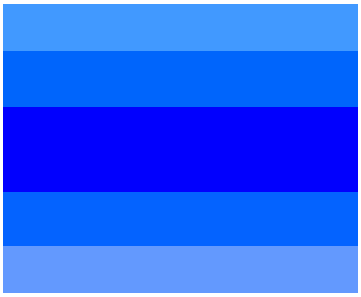
TECHNICAL SPECIFICATION SHEET (CPH1-MD)

DESCRIPTION:
It is a co-extruded, one side Heat Sealable, other side vacuum deposited aluminum, barrier Cast Polypropylene (CPP) Film.

APPLICATIONS:
Packaging & conversion,Typically laminated on the metallised side with BOPP, Candy packaging

SALIENT FEATURES:
- Good barrier properties
- Brilliant metal appearance
- High seal strength
- Heat sealable on the non-metallised surface with excellent hot tack



TECHNICAL DATA

PROPERTIES		TEST METHOD	UNIT	CPH1-MD	
PHYSICAL					
Thickness		ASTM D374	Micron	20	22
Yield		JPFTM	m^2/kg	54.95	49.95
Grammage		JPFTM	gm/m^2	18.20	20.02
MECHANICAL					
Tensile Strength	(MD) Min	ASTM D882	kg/cm^2	450 - 650	450 - 650
	(TD) Min	ASTM D882	kg/cm^2	200 - 300	200 - 300
Elongation	(MD)	ASTM D882	%	450 - 600	450 - 600
	(TD)	ASTM D882	%	550 - 650	550 - 650
Coefficient of Friction(Metal to Film) Max	Dy (Max)	ASTM D1894	kinetic	0.3 -0.35	0.3 -0.35
THERMAL					
Seal Initiation temperature		JPFTM	°C	115	115
Seal strength		JPFTM	gms/25mm	1200	1400
SURFACE					
Release force(Tesa tape -7475, @300 mm/min, 180° peeling)		FINAT 10	gm/inch	2.2	2.2
BARRIER					
Water Vapour Transmission Rate (38°C & 90% RH)	Max	ASTM E398	$g/m^2/day$	< 1.2	< 1.2
Oxygen Gas Transmission Rate (23°C & 0% RH)	Max	ASTM D3985	$cc/m^2/day$	< 150	< 150

TECHNICAL DATA					
PROPERTIES		TEST METHOD	UNIT	CPH1-MD	
PHYSICAL					
Thickness		ASTM D374	Micron	25	30
Yield		JPFTM	m^2/kg	43.96	36.63
Grammage		JPFTM	gm/m^2	22.75	27.30
MECHANICAL					
Tensile Strength	(MD) Min (TD) Min	ASTM D882 ASTM D882	kg/cm^2 kg/cm^2	450 - 650 200 - 300	450 - 650 200 - 300
Elongation	(MD) (TD)	ASTM D882 ASTM D882	% %	450 - 600 550 - 650	450 - 600 550 - 650
Coefficient of Friction(Metal to Film) Max	Dy (Max)	ASTM D1894	kinetic	0.3 -0.35	0.3 -0.35
THERMAL					
Seal Initiation temperature		JPFTM	°C	115	115
Seal strength		JPFTM	gms/25mm	1600	1600
SURFACE					
Release force(Tesa tape -7475, @300 mm/min, 180° peeling)		FINAT 10	gm/inch	2.2	2.2
BARRIER					
Water Vapour Transmission Rate (38°C & 90% RH)	Max	ASTM E398	$g/m^2/day$	< 1.2	< 1.2
Oxygen Gas Transmission Rate (23°C & 0% RH)	Max	ASTM D3985	$cc/m^2/day$	< 150	< 150

TECHNICAL DATA					
PROPERTIES		TEST METHOD	UNIT	CPH1-MD	
PHYSICAL					
Thickness		ASTM D374	Micron	35	40
Yield		JPFTM	m^2/kg	31.40	27.47
Grammage		JPFTM	gm/m^2	31.85	36.40
MECHANICAL					
Tensile Strength	(MD) Min (TD) Min	ASTM D882 ASTM D882	kg/cm^2 kg/cm^2	450 - 650 200 - 300	450 - 650 200 - 300
Elongation	(MD) (TD)	ASTM D882 ASTM D882	% %	450 - 600 550 - 650	450 - 600 550 - 650
Coefficient of Friction(Metal to Film) Max	Dy (Max)	ASTM D1894	kinetic	0.3 -0.35	0.3 -0.35
THERMAL					
Seal Initiation temperature		JPFTM	°C	115	115
Seal strength		JPFTM	gms/25mm	1600	1600
SURFACE					
Release force(Tesa tape -7475, @300 mm/min, 180° peeling)		FINAT 10	gm/inch	2.2	2.2
BARRIER					
Water Vapour Transmission Rate (38°C & 90% RH)	Max	ASTM E398	$g/m^2/day$	< 1.2	< 1.2
Oxygen Gas Transmission Rate (23°C & 0% RH)	Max	ASTM D3985	$cc/m^2/day$	< 150	< 150

TECHNICAL DATA				
PROPERTIES		TEST METHOD	UNIT	CPH1-MD
PHYSICAL				
Thickness		ASTM D374	Micron	50
Yield		JPFTM	m^2/kg	21.98
Grammage		JPFTM	gm/m^2	45.50
MECHANICAL				
Tensile Strength	(MD) Min (TD) Min	ASTM D882 ASTM D882	kg/cm^2 kg/cm^2	450 - 650 200 - 300
Elongation	(MD) (TD)	ASTM D882 ASTM D882	% %	450 - 600 550 - 650
Coefficient of Friction(Metal to Film) Max	Dy (Max)	ASTM D1894	kinetic	0.3 -0.35
THERMAL				
Seal Initiation temperature		JPFTM	°C	115
Seal strength		JPFTM	gms/25mm	1600
SURFACE				
Release force(Tesa tape -7475, @300 mm/min, 180° peeling)		FINAT 10	gm/inch	2.2
BARRIER				
Water Vapour Transmission Rate (38°C & 90% RH)	Max	ASTM E398	$g/m^2/day$	< 1.2
Oxygen Gas Transmission Rate (23°C & 0% RH)	Max	ASTM D3985	$cc/m^2/day$	< 150

The values given in this technical datasheet are typical performance data and are believed to be accurate. These are given in good faith but it is for the customer to satisfy of the suitability for its own particular purpose. JINDAL POLY FILMS LIMITED suggests the customer to confirm these values and product compatibility prior to their use and the company offers neither guarantee nor accepts any responsibility for the fitness of the product for any particular use.

JPFTM: JINDAL POLY FILMS TEST METHOD, **MD:** MACHINE DIRECTION, **TD:** TRANSVERSE DIRECTION

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