

PROVISIONAL

## PDU35TOHD

BOPP FILMS

PEARLISED ULTRA LOW SEAL INITIATION TEMPERATURE HIGH HOT-TACK & HEAT SEAL STRENGTH CORONA TREATED ONE SIDE HIGH DENSITY GRADE FOR HIGH SPEED PACKAGING APPLICATIONS



### DESCRIPTION

OPP PDU35TOHD is white cavitated **BOPP** film, one side ultra low seal initiation temperature, High Density grade. Especially designed for the packaging industry where its wide seal operating window can be used on high speed machines.

### PRODUCT FEATURES

- Wide sealing range with very low seal initiation temperature(SIT ~70°C)
- Excellent sealing properties in term of strength, hot-tack and integrity
- Total forgiving on HFFS & VFFS machines
- PearlescentGlossy White look on both sides
- Low COF and good antistatic properties
- Lap sealable with other co-ex BOPP

### APPLICATIONS

Can be used as a single web or in laminate structures.

- Confectionery (chocolate/gum/sugar)
- Soap Wrapper
- Frozen food
- Health and beauty care
- Household and detergents

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	PROPERTIES	POSITION	PDU35TOHD	UNIT	METHOD
GENERAL	Nominal Thickness	-	35	μ	Internal Method
	Density	-	0.85	g/cc	Internal Method
	Grammage	-	29.75	g/m <sup>2</sup>	Internal Method
	Yield	-	33.61	m <sup>2</sup> /kg	Internal Method
OPTICAL	Transmittance	-	25	%	ASTM D 1003
	Gloss	-	85	GU	ASTM D 2457
SURFACE	COF	Film/Metal	0.25	-	ASTM D 1894
	Wetting Tension	-	38*	dy/cm	ASTM D 2578
MECHANICAL	Tensile Strength (at break)	- MD	800	kg/cm <sup>2</sup>	ASTM D 882
		- TD	2000		
	Elongation (at break)	- MD	145	%	ASTM D 882
		- TD	40		
	Elastic Modulus	- MD	12000	kg/cm <sup>2</sup>	ASTM D 882
		- TD	25000		
THERMAL	Linear Shrinkage (max)	- MD	4	%	ASTM D 1204
		- TD	2		
	Heat Seal Range	-	70-140	°C	Internal Method
BARRIER	Seal Strength	-	600	g/25mm	Internal Method
	WVTR 38° C 90% rh	-	6	g/m <sup>2</sup> /day	ASTM F 1249

\* 38 dyne/cm guaranteed for 6 months from delivery.

The figures and above properties refer to average values of laboratory test on samples of our standard production, it is understood that this entails no obligation or responsibility on our part. Customers should verify the suitability of the film for its specific end use. Therefore this document will not represent a product specification.

#### GUIDELINES FOR STORAGE

Temperature should preferably be less than 30°C & humidity 55±5% in storage areas and material should be consumed with three months of receipt. OPP films should be allowed to reach operating room temperature 24 hours before use. Film characteristics are maintained for six months from the date of manufacturing except for corona treated layer surface tension.

#### FOOD CONTACT

OPP films complies with the requirements of FDA, EC & REACH regulations. Specific documentation is available on request.

#### SAFETY

Compliance with industrial health and safety standards. OPP films do not present any significant danger to health and safety in the workplace, provided they are used for the intended purpose in accordance with conventional practices and that health & safety regulations are observed. Relevant guidelines can be found in our MSDS (available upon request).