

PROVISIONAL

COT30AHR2
COATED FILMS

TRANSPARENT BOPP FILM, BOTH SIDE COATED WITH HUMIDITY RESISTANT ACRYLIC, FOR CONVERSION

**DESCRIPTION**

COT30AHR2 is transparent both side humidity resistant acrylic coated **BOPP** film. This film is developed to pack products, which will be exposed to humid environment or having very high water content. Its Acrylic coated surface provides low seal initiation temperature, good seal strength and sealing range which gives enhanced performance on wide range of packaging machines.

PRODUCT FEATURES

- Excellent Humidity resistance (especially for hygroscopic products)
- Printable with water based inks on acrylic coated surface
- Low Seal Initiation Temperature
- Excellent machinability
- Good optical properties
- Good stiffness and mechanical properties
- Good Aroma barrier
- Excellent sealing strength under humid condition & hot-tack strength

APPLICATIONS

Used in overwrapping application

- Box over wrap (cosmetic, fresh produce, detergents etc.)
- Ice Cream, Frozen vegetables, Frozen food ready to cook products

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	PROPERTIES	POSITION	COT30AHR2	UNIT	METHOD
GENERAL	Nominal Thickness	-	30	μ	Internal Method
	Grammage	-	27.28	g/m ²	Internal Method
	Yield	-	36.65	m ² /kg	Internal Method
OPTICAL	Haze	-	2.0	%	ASTM D 1003
	Gloss	-	90	°45°	ASTM D 2457
SURFACE	COF (Dynamic)	Both sides	0.3	-	ASTM D 1894
MECHANICAL	Tensile Strength (at break)	- MD	1300	kg/cm ²	ASTM D 882
		- TD	2500		
	Elongation (at break)	- MD	200	%	ASTM D 882
		- TD	60		
	Elastic Modulus	- MD	18000	kg/cm ²	ASTM D 882
		- TD	28000		
THERMAL	Linear Shrinkage (max)	- MD	4	%	Internal Method
		- TD	2		
	Heat Seal Range	Coated/Coated	95-140	°C	Internal Method
BARRIER	Seal Strength	-	450	g/25mm	Internal Method
	WVTR 38° C 90% rh	-	4.5	g/m ² /day	ASTM F 1249
	OXTR 23° C 0% rh	-	900	cm ³ /day	ASTM D 3985

The figures and above properties refer to typical values which are indicative only. 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. Coated 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.

PRINTING & LAMINATION

COT30AHR2 is compatible with different printing formats. User has to identify suitable ink system and printing method as per requirement.

FOOD CONTACT

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

SAFETY

Compliance with industrial health and safety standards. Coated 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).

CAUTIONS

- Film characteristics are maintained for six months from the date of invoicing
- Coated reels must not be stacked