

PROVISIONAL

PHS28TIVOB

WHITE CAVITATED UHOB BOPP BASE FILM WITH LOW SIT ULTIMATE HSS & HTS, WETTING TENSION SURFACE INSIDE FOR VACUUM METALLISATION & OTHER SIDE SEALING PROPERTIES



UHB surface for Vacuum Metallization

Tie Layer

White Cavitated OPP Core

Tie Layer

Untreated Heat seal Layer



AVAILABLE
CALIPERS

DESCRIPTION

PHS28TIVOB is white cavitated **BOPP** film, which is one side UHB surface for Vacuum metallization & other side untreated sealable surface with low initiation temperature, ultimate heat seal strength & hot tack strength. This product is specially modified and designed to provide ultra-high barrier to moisture and oxygen after metallization.

PRODUCT FEATURES

- Excellent sealing range with low seal initiation temperature (SIT ~ 95°C)
- Excellent sealing properties in term of strength, hot-tack and integrity
- Outstanding Opacity & light barrier
- Easy convertibility with Extrusion as well as Adhesive after metallization

APPLICATIONS

Base film for Vacuum metallization

NOMENCLATURE

PHS28TIVOB... UHB wetting tension surface inside, Untreated Heat Seal Surface outside

PHS28TOVOB... UHB wetting tension surface outside, Untreated Heat Seal Surface inside

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	PROPERTIES	POSITION	PHS28TIVOB	UNITS	TEST METHOD
GENERAL	Nominal Thickness	-	27.5	μ	Internal Method
	Density	-	0.82	g/cc	Internal Method
	GSM	-	22.55	g/m ²	Internal Method
	Yield	-	44.3	m ² /kg	Internal Method
OPTICAL	Transmittance	-	55	%	ASTM D 1003
	Gloss	-	90	GU	ASTM D 2457
SURFACE	Dynamic COF	Film/Film	0.60	-	Internal Method
	Wetting Tension	-	38*	dynes/cm	ASTM D 2578
MECHANICAL	Tensile Strength (at break)	-MD	800	kg/cm ²	ASTM D 882
		-TD	1500		
	Elongation (at break)	-MD	200	%	ASTM D 882
		-TD	70		
	Elastic Modulus	-MD	11000	kg/cm ²	ASTM D 882
		-TD	18000		
THERMAL	Thermal Shrinkage	MD	4	%	ASTM D 1204
		TD	2		
	SIT	-	95	°C	Internal Method
	Heat Seal Strength	-	900	gm/25mm	Internal Method

* 38 dyne/cm guaranteed for 4 months from the invoice date in controlled ambient condition as mentioned in storage guidelines

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 within three months of receipt. OPP films should be allowed to reach operating room temperature 24 hours before use

FOOD CONTACT

OPP films comply 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).

CAUTIONS

- Film characteristics are maintained for six months from the date of invoicing except for corona treated layer surface tension.