

PROVISIONAL

T12TOE-AVNP

MAX SHIELD BOPP FILMS

TRANSPARENT NON SEALABLE CORONA TREATED OUTSIDE FOR EXTRUSION COATING WITH ANTI-MICROBIAL & VIRUCIDAL PROPERTIES



Corona Treated surface with Anti-microbial & Viricidal prop.

OPP Core

Untreated Surface for Extrusion



AVAILABLE
CALIPERS

DESCRIPTION

SHIELD OPP TIUL-AVNP is bi-axially oriented polypropylene film with a gloss shiny surface and excellent optics having Anti-Microbial & Virucidal properties. This film is new generation of BOPP film specifically designed with the ability to safe product from bacteria, fungus & Viruses.

PRODUCT FEATURES

- Eliminates 99.9% of micro organisms(Bacteria, Fungus & Viruses) that comes into contact with the film
- Excellent Optical properties
- Excellent bonding with EVA and LDPE

APPLICATIONS

Base film for thermal laminating films

PROVISIONAL

	PROPERTIES	POSITION	T12TOE-AVNP	UNIT	METHOD
GENERAL	Nominal Thickness	-	12	μ	Internal Method
	Density	-	0.91	g/cc	Internal Method
	Grammage	-	10.92	g/m ²	Internal Method
	Yield	-	91.6	m ² /kg	Internal Method
OPTICAL	Haze	-	2	%	ASTM D 1003
	Gloss	-	95	GU	ASTM D 2457
SURFACE	COF (Dynamic)	Film/Film	0.30	-	ASTM D 1894
	Wetting Tension	-	38	dy/cm	ASTM D 2578
MECHANICAL	Tensile Strength (at break)	- MD - TD	1200 2700	kg/cm ²	ASTM D 882
	Elongation (at break)	- MD - TD	160 60	%	ASTM D 882
	Elastic Modulus	- MD	18000	kg/cm ²	ASTM D 882
		- TD	28000		
THERMAL	Linear Shrinkage (max)	- MD	4	%	ASTM D 1204
		- TD	2		

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.

STANDARD FOR ANTIMICROBIAL PROPERTIES

- ISO 21702 for virucidal property measurement
- ISO 22196 for antimicrobial property measurement

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. SHIELD OPP films should be allowed to reach operating room temperature 24 hours before use.

FOOD CONTACT

SHIELD 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. SHIELD OPP films do not present a 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 for surface tension