

TORAY

Innovation by Chemistry

Torayfan[®] CBS2

Developmental Technical Data Sheet

One side coated and one side heat sealable Bi-Axially Oriented Polypropylene film with superior moisture and oxygen barrier. Designed as the inside sealant web for clear high barrier applications.

KEY FEATURES

- Oxygen barrier on par with MOPP
- Alternative to PVdC coated OPP
- Wide heat seal range in lap/fin/crimp seals
- Improved oil resistance
- Increased puncture resistance, stiffness

APPLICATIONS

- Confections
- Snacks
- Bakery
- Pet Food
- Ag/Chem
- Medical

TECHNICAL DATA

PROPERTIES		METHOD	UNITS	TYPICAL VALUES	
Thickness		-	µm	17.5	20.0
Nominal Yield		-	m ² /kg	62.6	54.5
Tensile Strength at Break	MD	ASTM D882	Mpa	100	100
	TD			300	300
Young's Modulus	MD	ASTM D882	Mpa	2,400	2,400
	TD			4,300	4,300
Elongation at Break	MD	ASTM D882	%	200	200
	TD			60	60
Heat Shrinkage (140°C for 15 minutes)	MD	ASTM D1204	%	8.0	8.0
	TD			5.0	5.0
COF (Sealant Side)		ASTM D1894	µ _s	0.66	0.66
			µ _D	0.45	0.45
Wetting Tension		ASTM D2578	dyne/cm	41	41
Haze (1 sheet)		ASTM 1003	%	2.2	2.5
Heat Seal Strength @ 121°C		1	g/25mm	430	430
SIT (>200g/25mm)		1	°C	91	91
MVTR - 38 °C, 90% RH		ASTM F1249	g/m ² /day	3.4	3.1
O ₂ Barrier - 23 °C, 0% RH		ASTM D3985	cc/m ² /day	8.37	8.37

¹ Sentinel Sealer model 12 ASL, 0.5 sec 20 psi. UPPER: flat, Teflon coated. LOWER: rubber with glass cloth, unheated.

The product described is covered by one or more of the following patents or patents pending:
US 6844078, EP 1474289

*The ultra barrier layer is recommended to be primed before extrusion lamination.

*The ultra barrier layer is not approved for direct contact with food. The ultra barrier surface should be buried in lamination or through extrusion coating.

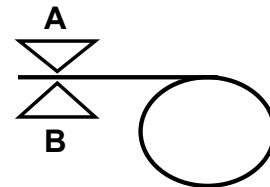
CONTACT

Toray Plastics (America), Inc.
 50 Belver Avenue
 North Kingstown, RI 02852 USA
 Tel: (800) 453-6866
 Fax: (401) 294-3410
 e-mail: rimarketing@toraytpa.com
 Web: www.torayfilms.com

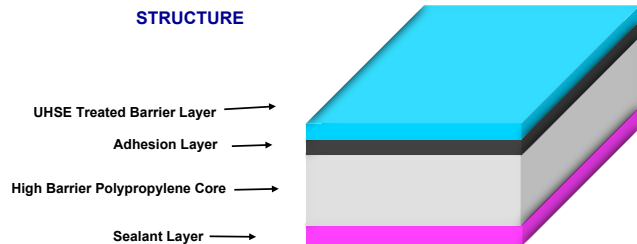
WINDING DIRECTION

A = Barrier Layer

B = Sealant Side



STRUCTURE



WE ACCEPT NO RESPONSIBILITY FOR RESULTS OBTAINED BY THE APPLICATION OF THIS INFORMATION OR THE SAFETY OR SUITABILITY OF OUR PRODUCTS, EITHER ALONE OR IN COMBINATION WITH OTHER PRODUCTS. USERS ARE ADVISED TO MAKE THEIR OWN TESTS TO DETERMINE THE SAFETY AND SUITABILITY OF EACH PRODUCT OR PRODUCT COMBINATION FOR THEIR OWN PURPOSES.

TORAYFAN[®] is a registered trademark of Toray Industries, Inc. for its range of bi-oriented polypropylene films (BOPP).

© 2011 Toray Plastics (America), Inc.