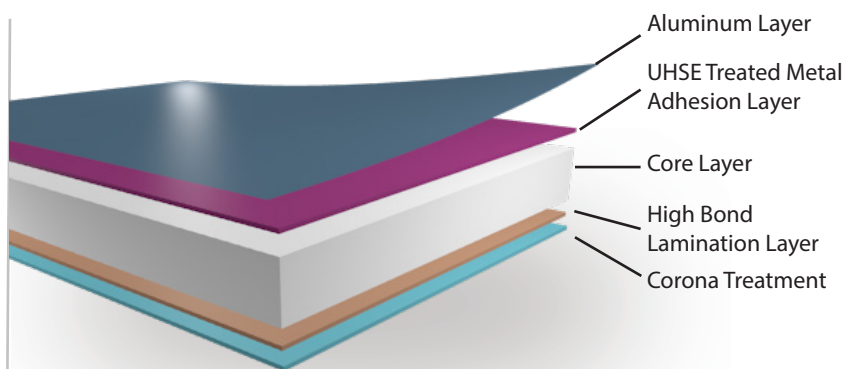


TORAYFAN[®] M23

Applications

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



Torayfan M23

ONE SIDE TREATED, ONE SIDE METALLIZED NON SEALABLE BOPP FILM

Summary

One side vacuum deposited Aluminum on Toray's Ultra High Surface Energy (UHSE), one side corona treated. Designed as a barrier cold seal or buried barrier metallized BOPP film with high lamination bond. Ideal for foil and MPET replacement.

Technical Data *

PROPERTIES		METHOD	UNITS	TYPICAL VALUES	
Thickness		-	micron	13	15
Nominal Yield		-	m ² /kg	87	73
Tensile Strength at Break	MD	ASTM D882	MPa	200	200
	TD			300	300
Young's Modulus	MD	ASTM D882	MPa	1,900	1,900
	TD			3,400	3,400
Elongation at Break	MD	ASTM D882	%	180	180
	TD			60	60
Heat Shrinkage (140°C for 15 minutes)	MD	ASTM D1204	%	8	8
	TD			5	5
Coefficient of Friction (Treated Side)		ASTM D1894	μ _s	0.36	0.36
			μ _d	0.31	0.31
Wetting Tension		ASTM D2578	dyne/cm	40	40
MVTR - 38°C, 90% RH		ASTM F1249	g/m ² /day	0.078	0.078
O2 Barrier - 23°C, 0% RH		ASTM D3985	cc/m ² /day	12.4	12.4

The product described is covered by one or more of the following patents or patents pending:
US 6916526

Key Features

- Excellent bonding of pressure sensitive adhesives (cold seals)
- Non craze metal surface
- Superior moisture barrier
- Excellent oxygen barrier
- Excellent bonding in extrusion and adhesive laminations

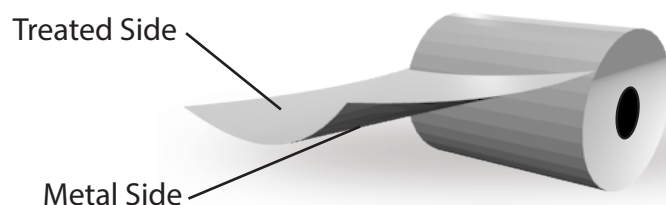
Similar Products

- M21
- PC3

Typical Structures

- FCR/ink/ADH/M23/
Patterned Cold Seal
- PET/ink/PE/M23/PE
- BOPP/ink/PE/M23/PE
- Ink/Paper/PE/M23/PE
- O.L./ink/Board/PE/M23/PE
- O.L./ink/M23/PE/Board/PE

Winding Direction



* These values do not constitute specific binding specifications

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Torayfan® is a registered trademark of Toray Industries, Inc. for its range of bi-oriented Polypropylene Films (BOPP)