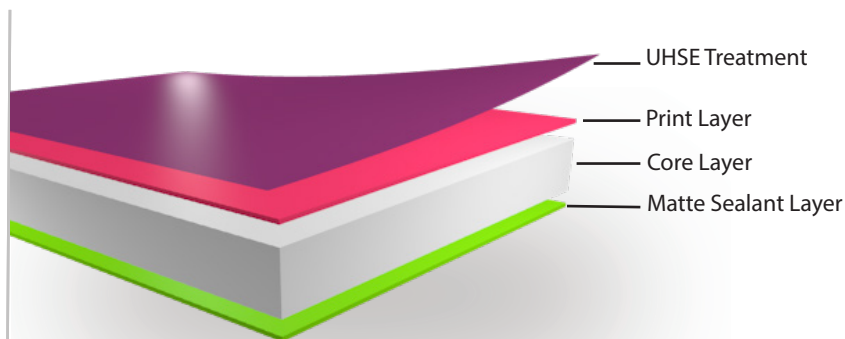


TORAYFAN[®] FMS3

Applications

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



ONE SIDE UHSE TREATED,
ONE SIDE HEAT SEALABLE
MATTE BOPP FILM

Summary

Bi-Axially Oriented Polypropylene film with one side treated with Toray's Ultra High Surface Energy (UHSE) treatment, one side heat sealable with uniform matte finish. Designed to be used as an outer web for food packaging, or in graphic applications where the matte surface reduces glare for easy viewing.

Technical Data *

PROPERTIES		METHOD	UNITS	TYPICAL VALUES		
Thickness		-	0.00001"	70	100	120
Nominal Yield		-	in ² /lb	44,000	30,500	24,700
Tensile Strength at Break	MD	ASTM D882	lb/in ²	21,500	21,500	21,500
	TD			45,500	45,500	45,500
Young's Modulus	MD	ASTM D882	lb/in ²	316,000	316,000	316,000
	TD			548,000	548,000	548,000
Elongation at Break	MD	ASTM D882	%	200	200	200
	TD			60	60	60
Heat Shrinkage (284°F for 15 minutes)	MD	ASTM D1204	%	9.5	8	8
	TD			5	5	5
Coefficient of Friction (Sealant Side)		ASTM D1894	μ_s	0.58	0.58	0.58
			μ_d	0.36	0.36	0.36
Gloss (60°)		ASTM D2457	GU	17	17	17
Haze (1 sheet)		ASTM 1003	%	50	50	50
Wetting Tension		ASTM D2578	dyne/cm	42	42	42
Heat Seal Strength @ 250°F		1	g/in	310	310	310
Seal Initiation Temp (>200g/in)		1	°F	235	235	235
MVTR - 100°F, 90% RH		ASTM F1249	g/100in ² /day	0.50	0.31	0.31

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 8431234.

Key Features

- Low gloss, matte sealant layer with glossy backside
- Low glare
- Good bond in adhesive and extrusion laminations
- Good ink adhesion with water based and solvent based inks
- Good print quality in Roto Gravure and Flexo printing

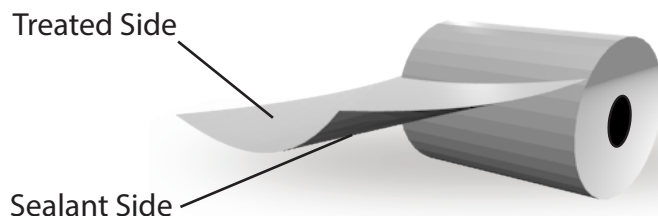
Similar Products

- F61W
- F62W
- F63W
- F64W

Typical Structures

- FMS3/ink/PE or ADH/PWX4
- FMS3/ink/PE or ADH/PCFS
- FMS3/ink/PE or ADH/PC1/PE
- FMS3/ADH/Board

Winding Direction



* These values do not constitute specific binding specifications

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