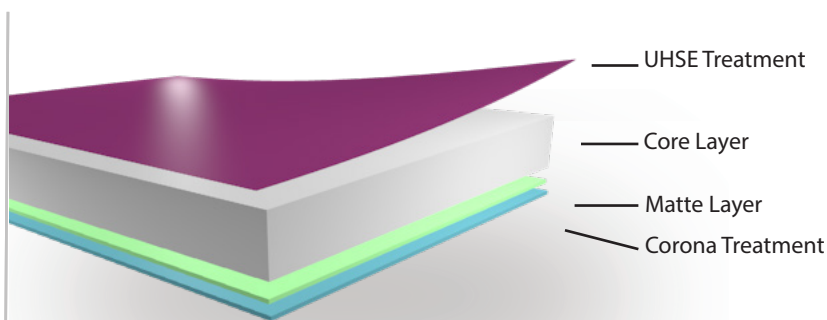


TORAYFAN[®] FM1D

Applications

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



ONE SIDE UHSE TREATED,
ONE SIDE MATTE CORONA
TREATED BOPP FILM

Summary

Bi-Axially Oriented Polypropylene non-sealable matte film, one side treated with Toray's Ultra High Surface Energy (UHSE) treatment, matte side corona treated. Designed as the outside print or buried web for clear graphic packaging applications where the matte surface reduces glare for easy viewing.

Technical Data *

PROPERTIES		METHOD	UNITS		
Thickness		-	0.00001"	60	70
Nominal Yield		-	in ² /lb	51,500	44,000
Tensile Strength at Break	MD	ASTM D882	lb/in ²	21,500	21,500
	TD			45,500	45,500
Young's Modulus	MD	ASTM D882	lb/in ²	316,000	316,000
	TD			548,000	548,000
Elongation at Break	MD	ASTM D882	%	200	200
	TD			60	60
Heat Shrinkage (284°F for 15 minutes)	MD	ASTM D1204	%	8	8
	TD			5	5
Coefficient of Friction (Matte Side)		ASTM D1894		0.43	0.43
Gloss (Matte Side) (20°)		ASTM D2457	GU	3	3
Haze (1 sheet)		ASTM 1003	%	75	75
Wetting Tension		ASTM D2578	dyne/cm	41	41

Key Features

- High haze, low gloss matte layer
- 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

- FMS

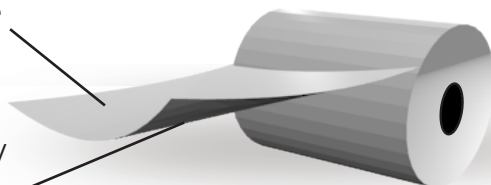
Typical Structures

- FM1D/ink/PE or ADH/PMX2
- FM1D/ink/PE or ADH/PCFS

Winding Direction

USHE Treated Side

Corona Treated/
Matte Side



* These values do not constitute specific binding specifications

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