Transcendia
A Leader in Custom and Engineered Films

NYCT1-F Biaxially Oriented Nylon (BOPA) Film

DESCRIPTION

NYCT1-F is a biaxially oriented nylon film that is corona treated on one side used mostly in food packaging, general packaging, textile products, and balloon products.

CHARACTERISTICS

- Outstanding impact strength
- Abrasion resistant
- Excellent tear strength
- High slip characteristics

FDA STATUS

Manufactured with materials compliant with FDA regulations

COMPLIANCE

Please visit transcendia.com/compliance for more compliance information.

TECHNICAL DATA

PROPERTIES	UNIT OF MEASURE	TYPICAL VALUES			TEST METHOD
Thickness	gauge	48	60	100	-
Yield	in²/lb	50,500	40,400	24,300	-
Tensile Strength MD	kpsi	45			ASTM D882
Tensile Strength TD	kpsi	45			ASTM D882
Elongation at Break MD	%	160			ASTM D882
Elongation at Break TD	%	160			ASTM D882
Secant Modulus MD	kpsi	430		450	ASTM D882
Secant Modulus TD	kpsi	430		450	ASTM D882
Dimensional Stability (100°C/30min) MD	%	3			ASTM D2305
Dimensional Stability (100°C/30min) TD	%	2			ASTM D2305
CoF, A/B (Static)		0.5			ASTM D1894
CoF, A/B (Kinetic)		0.5			ASTM D1894
WVTR (23°C, 50% RH)	g/100in²/day	21	17	10	ASTM F1249
OTR (23°C, 50% RH)	cc/100in²/day	4.4	3.4	2.7	ASTM D3985
Haze	%	3.5	3.8	4.2	ASTM D1003
Surface tension, treated side	Dyne/cm	52			ASTM D2578

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