

OS-F Polypropylene (PP) Film

DESCRIPTION

OS-F is a high-speed polypropylene (PP) overwrap film with shrink tightening properties.

CHARACTERISTICS

- Heat sealable two side
- Superior sparkling appearance
- Superior controlled, balanced shrinkage
- Excellent moisture and flavor barrier
- Differential slip properties for tight wraps
- Strong seals for tamper evidence
- Overcomes film relaxation problems
- Resistant to solvent attack

FDA STATUS

Manufactured with materials compliant with FDA regulations.

COMPLIANCE

Please visit <https://www.transcendia.com/compliance> for more compliance information.

TECHNICAL DATA

PROPERTIES	UNIT OF MEASURE	TYPICAL VALUE		TEST METHOD
Thickness	gauge	80	100	-
Yield	in ² /lb.	38,600	30,900	-
Coefficient of Friction	Dynamic	0.40	0.25	ASTM D1894
Tensile Strength MD Strain Rate 50%/minute	psi	24,700	24,700	ASTM D882
Tensile Strength TD Strain Rate 50%/minute	psi	30,500	30,500	ASTM D882
Elongation at Break MD Strain Rate 50%/minute	%	120	120	ASTM D882
Elongation at Break TD Strain Rate 50%/minute	%	80	80	ASTM D882
WVTR	g/100 in ² /24h	0.39	0.26	ASTM F 1249 100°F 90% RH
OTR	cc/100 in ² /24h	97	90	ASTM F 1249 100°F 90% RH
Haze wide angle 2.5°	%	1.0	1.0	ASTM D1003
Gloss (20°)	G.U.	140	140	ASTM D2457
Heat Seal Range	°F	240-285	240-285	2 secs 15lb/in ²
Heat Seal Strength	g/(f)/in	500	500	225°F; 1 sec; 15lb/in ²
Elasticity modulus (1% secant) MD Strain Rate 10%/minute	lb/in ²	435,100	435,100	ASTM D882
Elasticity modulus (1% secant) TD Strain Rate 10%/minute	lb/in ²	522,100	522,100	ASTMD882
Shrinkage MD	%	3.7	3.7	60 secs at 176°F
Shrinkage TD		3.5	3.5	
Shrinkage MD	%	7.0	7.0	60 secs at 248°F
Shrinkage TD		11.0	11.0	

*All information, recommendations and suggestions contained herein, including, without limitations, stated values (collectively the "Information") shall be used only as a guide by Purchaser and not for specification or any other purpose. The Information does not constitute a warranty nor guaranty of any type whatsoever. Purchaser should independently determine the suitability of all material purchased and must confirm adaptability and other characteristics by conducting its own test. Transcendia shall have no liability as a result of any loss, expense, damage, cost or other injury which results from Purchaser's reliance on the Information.

CORPORATE HEADQUARTERS

9201 W. Belmont Avenue | Franklin Park, IL 60131
 USA 800.745.5802 | 847.678.1800 main | 847.233.0199 fax
 CAN 800.268.4108 | 416.292.6000 main | 416.292.7399 fax
TRANSCENDIA.COM